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April 12, 2019

**SENT VIA: ELECTRONIC MAIL AND US MAIL**

Mr. Jeffrey Thomas  
Remedial Project Manager  
U.S. Environmental Protection Agency  
Hazardous Site Cleanup Division, 3HS23  
1650 Arch Street  
Philadelphia, PA 19103

**RE: QUARTERLY PROGRESS REPORT FOR THE AVTEX FIBERS SUPERFUND SITE FOR THE PERIOD  
1 JANUARY TO 31 MARCH 2019**

Dear Mr. Thomas,

FMC Corporation (FMC) has enclosed one clipped copy of the Quarterly Progress Report for remedial activities undertaken by FMC at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). This Quarterly progress report addresses the reporting requirements in 1999 Consent Decree between the United States of America and FMC Corporation to conduct removal and remedial actions. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this progress report to describe actions taken pursuant to the Consent Decree during the previous quarter.

If you have any questions or comments, please call me at 215-299-6047.

Sincerely,

Brian McGinnis  
*EHS, Remediation Manager*

Enclosure (1)  
cc: W. Jordan, B. Kiracofe, VADEQ  
H. Philip, Parsons  
M. Robinson, Parsons

**QUARTERLY PROGRESS REPORT  
for the Avtex Fibers Superfund Site, Front Royal, Virginia  
for the Period January 1 to March 31, 2018**

**1.0**

**INTRODUCTION**

FMC Corporation (FMC) has conducted removal and remedial activities at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). The removal action, remedial design, and remedial action activities were performed pursuant to the 1999 Consent Decree between the United States of America and FMC Corporation (effective 21 October 1999).

On August 29, 2014, USEPA issued a document titled, "Superfund Preliminary Close-out Report," which documented construction completion at the Site. The completion of construction at the Site marked its transition into the O&M phase. Full-scale operations and maintenance were achieved when the Groundwater and Leachate Treatment Plant (GLTP) began operating in continuous biological mode in September 2015. During the September 8, 2014 monthly call between EPA and FMC, EPA agreed that the former monthly progress reporting for the site could be reduced to quarterly during O&M phase as specified in paragraph 45 in Consent Decree. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this quarterly progress report to describe actions taken pursuant to both the Areas of Concern (AOC) and Consent Decree during the months of January, February, and March 2019.

This report includes progress towards full completion of removal and remedial activities and follows formatting consistent with previous reports. Daily operations and maintenance activities will be ongoing and will follow requirements in the Site-Wide O&M Plan (FMC, May 2015), which will include the Operations and Maintenance Manual Groundwater and Leachate Treatment Plant (Parsons, May 2015), and the Operations, Maintenance and Monitoring Manual Groundwater and Leachate Extraction System (Parsons, May 2015) with any major deviations reported in the sections below. The Site-Wide O&M Plan replaces prior response action specific O&M Plans, such as those presented in the various design documents.

In accordance with Section XI of the Consent Decree, this quarterly progress report contains the following:

- Description of actions taken during the previous quarter (January, February, and March 2019);

- Summary of data generated by FMC during the previous quarter;
- Actions scheduled for the next quarter;
- Description of problems and actions taken to mitigate the problems;
- Update on the schedule of actions and percentage completion of tasks;
- Modification to the Work Plans or other schedules; and
- Activities undertaken in support of the EPA Community Relations Plan.

Attachment 1 lists correspondence and deliverables transmitted from FMC or FMC contractors to EPA, and from EPA or EPA contractors to FMC for the previous quarter.

The remainder of the quarterly progress report is divided into **seven** sections (these sections will be removed and updated when actions are completed for the section):

- *Section 2.0 – OU-7/ROD 5 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 23 in the Consent Decree. The units covered under OU-7 include Viscose Basins (VB) 9-11, site-wide ground water and surface water.
- *Section 3.0 – OU-10/ROD 4 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 24 in the Consent Decree. The units covered under OU-10 include VB 1-8, the New Landfill, Wastewater Treatment Plant (WWTP) Closure, and Plant Area Soils.
- *Section 4.0 - Basin Closure.* This section describes the activities being conducted as a NTCRA under Paragraph 22 of the Consent Decree. The scope of this action consists of the closure of the Sulfate Basins, WWTP Basins, Fly Ash Basins, and the Stockpile (Mountain).
- *Section 5.0 – Groundwater and Leachate Treatment Plant O&M.* This section describes the Operations and Maintenance (O&M) activities being conducted to address the discharge requirements for the GLTP.
- *Section 6.0 - Other Site Support Documents.* This section describes site-wide activities that cross over all of management units.

- *Section 7.0 – Community Relations Support.* This section describes activities undertaken in support of community relations in accordance with the Consent Decree requirement.

**2.0           OU-7/ROD 5 (VB 9-11, GROUND WATER, SURFACE WATER)  
REMEDIAL DESIGN/REMEDIAL ACTION**

**2.1           *Actions Taken and Reports Prepared in Previous Period***

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan. The results are presented in Attachment 4.
- Completed quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Completed quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011. The results are presented in Attachment 2.
- The first quarter water level measurements as described in Section 2 of the GMP were collected in March.
- Ordered/received supplies for VB settlement repairs.

**2.2           *Data Generated in Previous Period***

As required by the Air Monitoring Plan, post construction quarterly air monitoring for hydrogen sulfide and organic vapor was completed. The results and a map showing the sample locations is provided in Attachment 2. No hydrogen sulfide or volatile organic compounds (VOCs) were detected at any of the monitoring locations.

The following instruments were utilized to collect the real-time readings:

- Hydrogen Sulfide: Jerome 613X.
- Organic Vapor: MiniRAE 3000
- Validated data was received from the wet weather PCB sampling conducted in December of 2018. The data was reported to EPA in the

2018 O&M report. Transmission of the data to VADEQ will be made using the appropriate forms in the second quarter of 2019.

## 2.3

### *Actions to be Completed Next Period*

- Complete quarterly water level measurements as described in Section 2 of the GMP.
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Complete quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011.
- Begin addressing VB Settlement with fill material and regrading.

## 2.4

### *Problems Encountered and Remedies*

No problems were encountered during the previous period.

## 2.5

### *Schedule Update*

All remedial design and remedial action work associated with OU-7 is complete based on EPA's approvals of the remedial action reports for the GLTP component and Viscose Basins 9-11 cap system and groundwater and leachate extraction component of OU-7.

## 3.0

### ***OU-10/ROD 4 (VB 1-8, NEW LANDFILL, PLANT AREA SOILS AND WWTP CLOSURE) REMEDIAL DESIGN/REMEDIAL ACTION***

## 3.1

### *Actions Taken and Reports Prepared in Previous Period*

- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System

Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed annual mowing for VB 1-8, New Landfill, Ditch 10 area, Flay Ash Stockpile Area, and Lift Station #1 field area.

### **3.2**

#### ***Data Generated in Previous Period***

None.

### **3.3**

#### ***Actions to be Completed Next Period***

- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.

### **3.4**

#### ***Problems Encountered and Remedies***

No problems were encountered during the previous period.

### **3.5**

#### ***Schedule Update***

All remedial design and remedial action work associated with OU-10 is complete based on EPA's approvals of the remedial action reports for plant area soils, WWTP and VB 1-8 and New Landfill.

### **4.0**

#### ***NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) - BASIN CLOSURE***

### **4.1**

#### ***Actions Taken and Reports Prepared in Previous Period***

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February

28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."

#### **4.2      *Data Generated in Previous Period***

None.

#### **4.3      *Actions to be Completed Next Period***

- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.

#### **4.4      *Problems Encountered and Remedies***

No problems were encountered during the previous month.

#### **4.5      *Schedule Update***

All removal action work associated with NTCRA-Basins is complete.

### **5.0      GROUNDWATER AND LEACHATE TREATMENT PLANT O&M**

#### **5.1      *Actions Taken and Reports Prepared in Previous Period***

- Completed quarterly wet sprinkler test as well as annual safety lighting and fire extinguisher inspections.
- The GLTP operated and discharged to the South Fork Shenandoah River (River) for 90 days from January 1 to March 31, 2019.

#### **Discharge Monitoring**

Discharge monitoring was completed as required by the July 24, 2014 VADEQ final Fact Sheet and Applicable or Relevant and Appropriate Requirements (ARARs) for the discharge of effluent from the GLTP. Monthly discharge monitoring included: flow, pH, TSS, BOD<sub>5</sub>, and

carbon disulfide. The daily and monthly flow and chemical data are listed in the Discharge Monitoring Reports (DMRs) submitted during the first quarter of 2019 provided in Attachment 3 and summarized below.

Table 1.0 Summary of 1Q19 Monthly Effluent Sampling

	Permitted Limits	January 2019 (month avg/daily max)	February 2019 (month avg/daily max)	March 2019 (month avg/daily max)
<b>Flow(gpd)</b>	0.396 MGD	0.081/0.118	0.062/0.096	0.079/0.090
<b>pH (range)</b>	6.5 – 9.0	7.52-8.09	7.70-9.00	7.47-8.05
<b>TSS (mg/L)</b>	40 / 130	<QL/<QL	<QL/<QL	<QL/<QL
<b>BOD<sub>5</sub> (mg/L)</b>	24 / 64	<QL/<QL	<QL/<QL	<QL/<QL
<b>CS2 (ug/L)</b>	No limit established. 0.1mg/l action level	<QL	<QL	<QL

\*Where parameters non-detect, the value '0' was used for calculating average and maximum concentrations.

- *Flow.* Flow during discharge was monitored continuously. Additionally, flow rates for the lift stations, test wells and viscose basins for the months of January, February, and March are provided in Table 3.2 (Attachment 3).
- *pH.* pH was monitored continuously during the days that discharge occurred. The pH monitoring results for each month are included in Attachment 3 with the monthly DMRs. The effluent pH was within the range of 6.5 to 9.0 specified in the ARARs.
- *TSS.* TSS was monitored weekly. The permitted monthly daily average limit for TSS of 40 mg/l and the permitted monthly maximum daily limit of 130 mg/l for TSS were not exceeded during this reporting period.
- *BOD<sub>5</sub>.* BOD<sub>5</sub> was monitored weekly. The permitted monthly daily average limit for BOD<sub>5</sub> of 24 mg/l and the permitted monthly maximum daily limit of 64 mg/l for BOD<sub>5</sub> were not exceeded during this reporting period.
- *Carbon Disulfide.* Carbon Disulfide was monitored monthly and no limit is established in the ARARs. The results for the monthly samples collected in the first quarter of 2019 were less than the 0.1 mg/l monthly action level specified in the ARARs.

## Rainfall Data

Table 3.1 (Attachment 3) shows that a total of 11.9 inches of precipitation fell on the Site during the first quarter of 2019 (January, February, and March). The total precipitation for 2019 to-date is 11.9 inches, representing 30% of the average Site total yearly precipitation (39.6 inches).

**5.2**

### ***Data Generated in Previous Period***

Discharge monitoring, rainfall data and flow totals for the lift stations, test wells and viscose basin are contained in Attachment 3. DMRs were submitted by the tenth of each month.

**5.3**

### ***Actions to be Taken Next Period***

- Continue GLTP operations and maintenance and operate the GLTP biological system in continuous mode.
- Complete carbon changeout/regen of system.
- Replace odor scrubber fan.

**5.4**

### ***Problems Encountered and Remedies***

None.

**5.5**

### ***Schedule Update***

The GLTP will continue to operate in full continuous mode.

**6.0**

## ***OTHER SITE SUPPORT DOCUMENTS***

**6.1**

### ***Actions Taken and Reports Prepared in Previous Period***

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports completed.

**6.2**

### ***Actions to be Taken Next Period***

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports to be completed.

## **7.0 COMMUNITY RELATIONS SUPPORT**

- No activity during the previous period.

## **ATTACHMENTS**

- 1 Summary of Monthly Correspondence
- 2 OU-7 and Site Perimeter Air Monitoring Results
- 3 GLTP Discharge Monitoring and Information
  - Discharge Monitoring Reports, 1 January to 31 March 2019
  - Table 3.1 – Site Rainfall Data
  - Table 3.2 - Monthly Flow Totals Avtex Site Lift Stations, Test Wells and Viscose Basin
- 4 Preliminary Site-Wide Quarterly Inspection (with repairs photo log)
- 5 2019 Annual Mowing Photo Log

*Attachment 1*  
*Summary of Quarterly*  
*Correspondence*

*ATTACHMENT 1 – LIST OF CORRESPONDENCE AND DELIVERABLES FOR THE PERIOD JANUARY 1, 2018 TO MARCH 31, 2019, AVTEX FIBERS SUPERFUND SITE, FRONT ROYAL, VIRGINIA*

*FMC to VADEQ*

January 7, 2019. Discharge Monitoring Report – December 2018 submitted to VADEQ and EPA

February 8, 2019. Discharge Monitoring Report – January 2019 submitted to VADEQ and EPA

March 6, 2019. Discharge Monitoring Report – February 2019 submitted to VADEQ and EPA

*FMC to EPA*

February 11, 2019. Notification of carbon changeout submitted to EPA.

March 5, 2019. Well modification proposal for well 203 submitted to EPA.

*EPA to FMC*

February 28, 2019. EPA CERCLA compliance check for Waste Management LCS Services Landfill submitted to FMC.

March 6, 2019. Acceptance of well modification proposal for well 203 submitted to FMC.

*Attachment 2*  
*OU-7 and Site Perimeter Air*  
*Monitoring Results*

Air Monitoring Form  
Avtex Superfund Site  
Front Royal, Virginia

Date 3/12/2019

Technician M. Robinson & M. Harder

Air Samples Collected?

- Yes  
 No

Gas Monitoring Devices	Used (Y/N)	Calibrated (Y/N)	Date Calibrated	Initials
Jerome613X (low-level H <sub>2</sub> S)	Y	Y	2/1/2019	MGR
MiniRae 3000 (PID)	Y	Y	3/12/2019	MGR
MultiRae (PID, O <sub>2</sub> , CO, H <sub>2</sub> S, LEL)	N	N		
Landtec GEM 5000	N	N		

Weather Conditions:

Precipitation (Current):  Rain  Snow  Sleet  Mix  Other  None  
 Light  Moderate  Heavy

Current Temperature: 53 °F

Wind Direction (blowing from): N (N, NE, SW, variable, etc.)

Wind Speed: 9 mph

Barometric Pressure: 30.28 inches

Cloud Cover:  Clear  Partly Cloudy  Mostly Cloudy  Cloudy/Overcast  Foggy

Monitoring Location	Time	H <sub>2</sub> S (ppm)	Organic / VOC (ppm)	CS <sub>2</sub> (ppm)	Methane (%LEL)	Comments
OU-7 Perimeter - (H <sub>2</sub> S Indicator Value = 0.006 ppm)						
N	1735	0.000	0.0	--	--	
NE	1733	0.000	0.0	--	--	
SE	1741	0.002	0.0	--	--	Slight H <sub>2</sub> S odor
S	1745	0.000	0.0	--	--	
SW	1739	0.000	0.0	--	--	
NW	1737	0.000	0.0	--	--	
Site Perimeter - (H <sub>2</sub> S Indicator Value = 0.0014 ppm)						
N	1826	0.001	0.0	--	--	
NE	1755	0.000	0.0	--	--	
E	1758	0.001	0.0	--	--	
SE	1805	0.001	0.0	--	--	
S	1811	0.000	0.0	--	--	
SW	1815	0.001	0.0	--	--	
W	1820	0.000	0.0	--	--	
NW	1823	0.000	0.0	--	--	
Downwind (location: NA)	NA	NA	NA	--	--	Already Covered by "S"

Activities Occuring on-site that might relate to air emissions:

Groundwater extraction and treatment. Multiple readings taken at parameter locations - none exceeded 0.001

If monitoring results are greater than one or more of above levels & sustained for 1 minute or longer, take following actions:

1. Notify FMC Site Manager, SSO, and EPA/EPA oversight representative;
2. Stop on-site intrusive operations and assess source(s);
3. Step-up work-zone & perimeter monitoring;
4. Perform monitoring the next day to verify levels.

If H<sub>2</sub>S > 0.1 ppm sustained for 5 minutes at Site Perimeter - Notify Warren County/Front Royal LEPC and Health Department.

Air Monitoring Form  
Avtex Superfund Site  
Front Royal, Virginia

Date 3/13/2019

Technician M. Robinson & M. Harder

Air Samples Collected?

- Yes  
 No

Gas Monitoring Devices	Used (Y/N)	Calibrated (Y/N)	Date Calibrated	Initials
Jerome613X (low-level H <sub>2</sub> S)	Y	Y	2/1/2019	MGR
MiniRae 3000 (PID)	N	N		
MultiRae (PID, O <sub>2</sub> , CO, H <sub>2</sub> S, LEL)	N	N		
Landtec GEM 5000	N	N		

Weather Conditions:

Precipitation (Current):  Rain  Snow  Sleet  Mix  Other  None  
 Light  Moderate  Heavy

Current Temperature: 53 °F

Wind Direction (blowing from): N (N, NE, SW, variable, etc.)

Wind Speed: 9 mph

Barometric Pressure: 30.28 inches

Cloud Cover:  Clear  Partly Cloudy  Mostly Cloudy  Cloudy/Overcast  Foggy

Monitoring Location	Time	H <sub>2</sub> S (ppm)	Organic / VOC (ppm)	CS <sub>2</sub> (ppm)	Methane (%LEL)	Comments
OU-7 Perimeter - (H <sub>2</sub> S Indicator Value = 0.006 ppm)						
N	1243	0.000	--	--	--	
NE	1240	0.001	--	--	--	
SE	1237	0.000	--	--	--	
S	1248	0.000	--	--	--	
SW	1247	0.000	--	--	--	
NW	1244	0.000	--	--	--	
Site Perimeter - (H <sub>2</sub> S Indicator Value = 0.0014 ppm)						
N	1233	0.000	--	--	--	
NE	1216	0.000	--	--	--	
E	1212	0.000	--	--	--	
SE	1220	0.000	--	--	--	
S	1222	0.000	--	--	--	
SW	1225	0.000	--	--	--	
W	1227	0.000	--	--	--	
NW	1230	0.000	--	--	--	
Downwind (location: NA)	NA	NA	NA	--	--	Already Covered by "N"

Activities Occuring on-site that might relate to air emissions:

Groundwater extraction and treatment. Data collected to confirm previous days results.

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If monitoring results are greater than one or more of above levels & sustained for 1 minute or longer, take following actions:

1. Notify FMC Site Manager, SSO, and EPA/EPA oversight representative;
2. Stop on-site intrusive operations and assess source(s);
3. Step-up work-zone & perimeter monitoring;
4. Perform monitoring the next day to verify levels.

If H<sub>2</sub>S > 0.1 ppm sustained for 5 minutes at Site Perimeter - Notify Warren County/Front Royal LEPC and Health Department.

**FIGURE 1**  
**AIR MONITORING LOCATIONS**  
**DURING OU-7 WORK**  
**AVTEX FIBERS SUPERFUND SITE**  
**FRONT ROYAL, VIRGINIA**



*Attachment 3*  
*GLTP Discharge Monitoring and*  
*Information*

**Table 3.1**  
**Site Rainfall Data Avtex Fibers Superfund Site 1 January - March 31, 2019**

Month	Average Rainfall for Winchester, VA (in)*	Average Site Rainfall 1990-2013 (in)	2006 Actual Rainfall (in)	2007 Actual Rainfall (in)	2008 Actual Rainfall (in)	2009 Actual Rainfall (in)	2010 Actual Rainfall (in)	2011 Actual Rainfall (in)	2012 Actual Rainfall (in)	2013 Actual Rainfall (in)	2014 Actual Rainfall (in)	2015 Actual Rainfall (in)	2016 Actual Rainfall (in)	2017 Actual Rainfall (in)	2018 Actual Rainfall (in)	2019 Actual Rainfall (in)	Percent of Average Site Rainfall (%)
January	2.4	2.7	2.0	1.2	1.0	1.4	3.35	0.9	2.0	3.8	1.1	1.4	1.2	2.5	1.8	3.9	146%
February	2.5	2.3	1.7	1.9	2.3	0.0	4.35	1.4	2.3	0.9	3.2	0.7	2.2	0.8	2.0	3.4	149%
March	3.1	3.6	0.1	3.7	2.9	1.5	5.7	4.6	1.9	3.9	2.3	1.7	1.0	2.4	0.8	4.6	126%
April	3.1	3.2	2.8	3.4	6.2	3.2	1.59	6.5	2.5	1.3	1.5	2.9	1.3	1.7	2.4	0%	
May	3.7	3.8	1.0	1.9	5.2	5.8	3.25	5.6	3.6	2.4	7.2	1.6	3.9	7.0	7.7	0%	
June	3.9	4.4	9.7	3.5	4.3	4.6	0.6	4.0	3.6	5.2	1.5	3.9	3.8	1.3	9.9	0%	
July	3.9	3.4	2.2	1.7	3.8	3.0	1.8	3.1	4.3	1.9	4.6	1.8	5.4	6.7	6.1	0%	
August	3.5	3.1	1.3	2.8	3.5	2.1	3.3	3.4	5.2	2.6	3.7	1.0	2.3	2.1	4.1	0%	
September	3.1	4.7	6.1	2.0	4.3	1.3	5.7	5.5	4.9	2.5	1.6	3.6	6.1	1.3	5.9	0%	
October	3.2	3.0	4.3	4.1	1.2	2.7	0.65	3.9	4.3	5.1	5.17	1.65	0.6	3.5	1.3	0%	
November	3.1	2.9	5.2	1.6	2.5	3.7	1.8	3.0	1.1	1.6	1.83	1.36	0.8	0.9	4.7	0%	
December	2.5	2.6	0.7	2.8	1.4	5.0	2.0	3.6	1.55	1.5	3.02	2.46	1.5	0.4	3.7	0%	
<b>Totals to Date</b>	<b>37.9</b>	<b>39.6</b>	<b>36.9</b>	<b>30.4</b>	<b>38.5</b>	<b>34.2</b>	<b>34.1</b>	<b>45.2</b>	<b>37.0</b>	<b>32.8</b>	<b>36.7</b>	<b>24.1</b>	<b>30.0</b>	<b>30.4</b>	<b>50.3</b>	<b>11.9</b>	<b>30%</b>

\* Source: National Climate Data Center TD 9641 Clim 81

**Table 3.2 Monthly Flow Totals**  
**Avtex Site Lift Stations, Test Wells and Viscose Basin**

<b>January 2019</b>									
<b>Lift Stations Flow Report</b>		<b>Test Wells Flow Report</b>			<b>Viscose Basin Flow Report</b>				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
1/1/2019	0.011	1/1/2019	0.066	0.024	0.000	1/1/2019	0.002	0.001	0.012
1/2/2019	0.019	1/2/2019	0.066	0.024	0.000	1/2/2019	0.002	0.001	0.012
1/3/2019	0.019	1/3/2019	0.066	0.017	0.000	1/3/2019	0.002	0.001	0.012
1/4/2019	0.008	1/4/2019	0.066	0.020	0.000	1/4/2019	0.002	0.002	0.012
1/5/2019	0.009	1/5/2019	0.066	0.021	0.000	1/5/2019	0.002	0.002	0.012
1/6/2019	0.009	1/6/2019	0.066	0.024	0.000	1/6/2019	0.000	0.000	0.012
1/7/2019	0.014	1/7/2019	0.065	0.023	0.000	1/7/2019	0.002	0.001	0.012
1/8/2019	0.014	1/8/2019	0.066	0.005	0.000	1/8/2019	0.002	0.001	0.012
1/9/2019	0.011	1/9/2019	0.059	0.000	0.000	1/9/2019	0.000	0.000	0.012
1/10/2019	0.008	1/10/2019	0.066	0.000	0.000	1/10/2019	0.000	0.000	0.012
1/11/2019	0.009	1/11/2019	0.066	0.017	0.002	1/11/2019	0.000	0.000	0.012
1/12/2019	0.009	1/12/2019	0.066	0.021	0.002	1/12/2019	0.000	0.000	0.012
1/13/2019	0.007	1/13/2019	0.066	0.023	0.000	1/13/2019	0.000	0.000	0.013
1/14/2019	0.006	1/14/2019	0.066	0.023	0.000	1/14/2019	0.001	0.001	0.013
1/15/2019	0.006	1/15/2019	0.066	0.023	0.000	1/15/2019	0.001	0.001	0.013
1/16/2019	0.006	1/16/2019	0.066	0.023	0.000	1/16/2019	0.000	0.000	0.013
1/17/2019	0.005	1/17/2019	0.065	0.023	0.000	1/17/2019	0.002	0.001	0.013
1/18/2019	0.012	1/18/2019	0.065	0.005	0.000	1/18/2019	0.002	0.002	0.013
1/19/2019	0.012	1/19/2019	0.059	0.000	0.000	1/19/2019	0.002	0.002	0.013
1/20/2019	0.014	1/20/2019	0.066	0.000	0.000	1/20/2019	0.000	0.000	0.013
1/21/2019	0.018	1/21/2019	0.066	0.017	0.000	1/21/2019	0.000	0.000	0.013
1/22/2019	0.026	1/22/2019	0.066	0.019	0.000	1/22/2019	0.000	0.000	0.013
1/23/2019	0.026	1/23/2019	0.066	0.005	0.000	1/23/2019	0.002	0.002	0.013
1/24/2019	0.008	1/24/2019	0.066	0.000	0.000	1/24/2019	0.002	0.002	0.013
1/25/2019	0.021	1/25/2019	0.066	0.000	0.000	1/25/2019	0.002	0.002	0.013
1/26/2019	0.021	1/26/2019	0.066	0.000	0.000	1/26/2019	0.002	0.002	0.014
1/27/2019	0.005	1/27/2019	0.038	0.000	0.000	1/27/2019	0.000	0.000	0.014
1/28/2019	0.028	1/28/2019	0.034	0.018	0.000	1/28/2019	0.002	0.002	0.014
1/29/2019	0.028	1/29/2019	0.059	0.022	0.000	1/29/2019	0.002	0.002	0.014
1/30/2019	0.010	1/30/2019	0.066	0.024	0.000	1/30/2019	0.001	0.002	0.014
1/31/2019	0.008	1/31/2019	0.066	0.017	0.000	1/31/2019	0.001	0.002	0.014

**Table 3.2 Monthly Flow Totals**  
**Avtex Site Lift Stations, Test Wells and Viscose Basin**

February 2019									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
2/1/2019	0.008	2/1/2019	0.066	0.019	0.000	2/1/2019	0.000	0.000	0.014
2/2/2019	0.006	2/2/2019	0.032	0.021	0.000	2/2/2019	0.000	0.000	0.014
2/3/2019	0.006	2/3/2019	0.000	0.023	0.014	2/3/2019	0.000	0.000	0.014
2/4/2019	0.005	2/4/2019	0.000	0.024	0.017	2/4/2019	0.001	0.002	0.014
2/5/2019	0.005	2/5/2019	0.000	0.004	0.005	2/5/2019	0.001	0.002	0.014
2/6/2019	0.001	2/6/2019	0.000	0.000	0.000	2/6/2019	0.000	0.000	0.014
2/7/2019	0.000	2/7/2019	0.000	0.000	0.000	2/7/2019	0.000	0.000	0.014
2/8/2019	0.011	2/8/2019	0.000	0.000	0.000	2/8/2019	0.001	0.002	0.014
2/9/2019	0.013	2/9/2019	0.000	0.015	0.000	2/9/2019	0.001	0.002	0.014
2/10/2019	0.013	2/10/2019	0.000	0.022	0.000	2/10/2019	0.000	0.000	0.014
2/11/2019	0.012	2/11/2019	0.046	0.025	0.000	2/11/2019	0.002	0.002	0.015
2/12/2019	0.022	2/12/2019	0.059	0.025	0.000	2/12/2019	0.002	0.003	0.015
2/13/2019	0.022	2/13/2019	0.066	0.012	0.000	2/13/2019	0.002	0.003	0.015
2/14/2019	0.021	2/14/2019	0.066	0.000	0.000	2/14/2019	0.001	0.002	0.015
2/15/2019	0.021	2/15/2019	0.066	0.011	0.000	2/15/2019	0.000	0.000	0.015
2/16/2019	0.013	2/16/2019	0.066	0.022	0.000	2/16/2019	0.000	0.000	0.015
2/17/2019	0.013	2/17/2019	0.066	0.024	0.000	2/17/2019	0.000	0.000	0.015
2/18/2019	0.008	2/18/2019	0.065	0.024	0.000	2/18/2019	0.003	0.005	0.015
2/19/2019	0.008	2/19/2019	0.012	0.016	0.000	2/19/2019	0.003	0.005	0.015
2/20/2019	0.002	2/20/2019	0.000	0.016	0.000	2/20/2019	0.001	0.002	0.015
2/21/2019	0.018	2/21/2019	0.000	0.022	0.000	2/21/2019	0.001	0.002	0.015
2/22/2019	0.029	2/22/2019	0.046	0.024	0.000	2/22/2019	0.001	0.002	0.015
2/23/2019	0.029	2/23/2019	0.059	0.024	0.000	2/23/2019	0.001	0.002	0.015
2/24/2019	0.029	2/24/2019	0.066	0.024	0.000	2/24/2019	0.000	0.000	0.015
2/25/2019	0.028	2/25/2019	0.019	0.018	0.000	2/25/2019	0.000	0.000	0.015
2/26/2019	0.028	2/26/2019	0.024	0.022	0.000	2/26/2019	0.000	0.000	0.015
2/27/2019	0.019	2/27/2019	0.060	0.024	0.000	2/27/2019	0.001	0.002	0.015
2/28/2019	0.008	2/28/2019	0.066	0.024	0.000	2/28/2019	0.001	0.002	0.016

**Table 3.2 Monthly Flow Totals**  
**Avtex Site Lift Stations, Test Wells and Viscose Basin**

March 2019									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
3/1/2019	0.008	3/1/2019	0.066	0.006	0.000	3/1/2019	0.001	0.002	0.016
3/2/2019	0.016	3/2/2019	0.046	0.021	0.000	3/2/2019	0.000	0.000	0.016
3/3/2019	0.016	3/3/2019	0.059	0.024	0.000	3/3/2019	0.000	0.000	0.016
3/4/2019	0.011	3/4/2019	0.066	0.023	0.000	3/4/2019	0.000	0.003	0.016
3/5/2019	0.011	3/5/2019	0.066	0.023	0.000	3/5/2019	0.000	0.003	0.016
3/6/2019	0.011	3/6/2019	0.066	0.004	0.000	3/6/2019	0.000	0.003	0.016
3/7/2019	0.012	3/7/2019	0.066	0.017	0.000	3/7/2019	0.000	0.002	0.016
3/8/2019	0.019	3/8/2019	0.066	0.019	0.000	3/8/2019	0.001	0.001	0.016
3/9/2019	0.019	3/9/2019	0.066	0.010	0.000	3/9/2019	0.001	0.001	0.016
3/10/2019	0.013	3/10/2019	0.066	0.011	0.000	3/10/2019	0.000	0.000	0.016
3/11/2019	0.009	3/11/2019	0.063	0.014	0.000	3/11/2019	0.001	0.002	0.016
3/12/2019	0.001	3/12/2019	0.066	0.010	0.000	3/12/2019	0.002	0.003	0.016
3/13/2019	0.000	3/13/2019	0.059	0.021	0.000	3/13/2019	0.002	0.003	0.016
3/14/2019	0.000	3/14/2019	0.066	0.023	0.000	3/14/2019	0.002	0.003	0.016
3/15/2019	0.000	3/15/2019	0.066	0.023	0.000	3/15/2019	0.000	0.000	0.016
3/16/2019	0.000	3/16/2019	0.066	0.023	0.000	3/16/2019	0.000	0.000	0.016
3/17/2019	0.000	3/17/2019	0.066	0.007	0.000	3/17/2019	0.000	0.000	0.016
3/18/2019	0.031	3/18/2019	0.066	0.008	0.000	3/18/2019	0.000	0.000	0.016
3/19/2019	0.031	3/19/2019	0.066	0.008	0.000	3/19/2019	0.003	0.005	0.017
3/20/2019	0.020	3/20/2019	0.066	0.010	0.000	3/20/2019	0.003	0.006	0.017
3/21/2019	0.023	3/21/2019	0.066	0.012	0.000	3/21/2019	0.002	0.004	0.017
3/22/2019	0.024	3/22/2019	0.066	0.004	0.000	3/22/2019	0.000	0.000	0.017
3/23/2019	0.029	3/23/2019	0.066	0.000	0.000	3/23/2019	0.000	0.000	0.017
3/24/2019	0.029	3/24/2019	0.066	0.000	0.000	3/24/2019	0.000	0.000	0.017
3/25/2019	0.014	3/25/2019	0.066	0.000	0.000	3/25/2019	0.001	0.002	0.017
3/26/2019	0.011	3/26/2019	0.066	0.000	0.000	3/26/2019	0.001	0.002	0.017
3/27/2019	0.010	3/27/2019	0.066	0.000	0.000	3/27/2019	0.001	0.001	0.017
3/28/2019	0.009	3/28/2019	0.066	0.014	0.000	3/28/2019	0.001	0.001	0.017
3/29/2019	0.008	3/29/2019	0.066	0.021	0.000	3/29/2019	0.001	0.002	0.017
3/30/2019	0.011	3/30/2019	0.066	0.023	0.000	3/30/2019	0.001	0.002	0.017
3/31/2019	0.011	3/31/2019	0.066	0.023	0.000	3/31/2019	0.000	0.000	0.017



**FMC Corporation**  
2929 Walnut Street  
Philadelphia, PA 19104  
USA

*Transmitted via Email*

215.299.6000  
[fmc.com](http://fmc.com)

February 8, 2019

Department of Environmental Quality - CO  
Office of Remediation Program  
P.O. Box 1105  
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – January 2019  
Avtex Fibers Superfund Site  
Front Royal, Virginia

Dear Mr. Jordan:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of January 2019. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

Please do not hesitate to call if there are any questions.

Sincerely,  
FMC Corporation

Brian M. McGinnis, P.E.  
Manager, Environmental Remediation

cc: via Email  
Brandon Kiracofe, DEQ  
Jeffrey Thomas, USEPA  
Heather Philip, Parsons

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)															
<b>NAME:</b>	Avtex Fibers			NA	004			<b>DMR MAILING ZIP CODE:</b>				23218			
<b>ADDRESS:</b>	404 Kendrick Lane Front Royal, VA 22630			<b>PERMIT NUMBER</b>			<b>DISCHARGE NUMBER</b>			<b>DESCRIPTION:</b>					
				<b>MONITORING PERIOD</b>						GLTP EFFLUENT (OUTFALL 004)					
<b>FACILITY:</b>	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall					
<b>LOCATION:</b>	FRONT ROYAL, VA			FROM	19	01	TO	19	01	31				<b>No Discharge</b>	
<b>ATTN:</b>															
<b>PARAMETER</b>				QUANTITY OR LOADING			QUALITY OR CONCENTRATION			<b>NO. EX</b>	<b>FREQUENCY OF ANALYSIS</b>	<b>SAMPLE TYPE</b>			
				VALUE	VALUE	UNITS	VALUE	VALUE	UNITS						
<b>FLOW</b>	SAMPLE MEASUREMENT			0.081	0.118	MGD	*****	*****	*****	0	CONTINUOUS	TIRE			
00056 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			REPORT MONTHLY AV	REPORT DAILY MAX		*****	*****	*****		*****	CONTINUOUS	TIRE		
<b>PH</b>	SAMPLE MEASUREMENT			*****	*****	kg/d	7.5	*****	8.1	0	CONTINUOUS	GRAB			
00400 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			*****	*****		6.5	MINIMUM	*****		9.0	SU	CONTINUOUS	GRAB	
<b>BOD, 5-DAY</b>	SAMPLE MEASUREMENT			<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0		1/7	8 HC	
00318 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			36	96		*****	24	MONTHLY AV		64	DAILY MX	1/7	8 HC	
<b>SOLIDS, TOTAL SUSPENDED</b>	SAMPLE MEASUREMENT			<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC		
03603 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			60	190		*****	40	MONTHLY AV		130	DAILY MX	1/7	8 HC	
<b>CARBON DISULFIDE</b>	SAMPLE MEASUREMENT			<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC		
77041 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			NL	NL		*****	NL	MONTHLY AV		NL	DAILY MX	1/30	8 HC	
<b>WHOLE EFFLUENT TOXICITY - <i>Ceriodaphnia dubia</i></b>	SAMPLE MEASUREMENT			*****	*****	TUa	*****	*****	*****	TUa			8 HC		
22414 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			*****	*****		*****	*****	*****		*****	1/90	8 HC		
<b>WHOLE EFFLUENT TOXICITY - <i>Pimephales promelas</i></b>	SAMPLE MEASUREMENT			*****	*****	TUa	*****	*****	*****	TUa			8 HC		
22414 1 0 <b>EFFLUENT GROSS</b>	PERMIT REQUIREMENT			*****	*****		*****	*****	*****		*****	1/90	8 HC		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR AUTHORITY, AND THAT THE INFORMATION CONTAINED THEREIN IS TRUE, ACCURATE AND COMPLETED. I AM RESPONSIBLE FOR ENSURING THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE		
Brian McGinnis Manager, Environmental Remediation													215	299-6047	19
TYPED OR PRINTED				SIGNATURE OF PRINCIPAL EXECUTIVE						OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)											
Attachment: pH compliance monitoring summary (monthly)															
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level															
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.															
PAGE 1 OF 10															

Avtex Fibers  
Front Royal, VA  
Outfall 004  
January 2019 DMR

**pH Calculations:**

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/1/2019 12:00 AM	7.92	1/2/2019 12:00 AM	7.80	1/3/2019 12:00 AM	7.85
1/1/2019 12:15 AM	7.92	1/2/2019 12:15 AM	7.80	1/3/2019 12:15 AM	7.87
1/1/2019 12:30 AM	7.91	1/2/2019 12:30 AM	7.80	1/3/2019 12:30 AM	7.88
1/1/2019 12:45 AM	7.86	1/2/2019 12:45 AM	7.80	1/3/2019 12:45 AM	7.89
1/1/2019 1:00 AM	7.83	1/2/2019 1:00 AM	7.80	1/3/2019 1:00 AM	7.89
1/1/2019 1:15 AM	7.81	1/2/2019 1:15 AM	7.83	1/3/2019 1:15 AM	7.90
1/1/2019 1:30 AM	7.80	1/2/2019 1:30 AM	7.87	1/3/2019 1:30 AM	7.90
1/1/2019 1:45 AM	7.80	1/2/2019 1:45 AM	7.89	1/3/2019 1:45 AM	7.89
1/1/2019 2:00 AM	7.80	1/2/2019 2:00 AM	7.90	1/3/2019 2:00 AM	7.89
1/1/2019 2:15 AM	7.76	1/2/2019 2:15 AM	7.90	1/3/2019 2:15 AM	7.84
1/1/2019 2:30 AM	7.85	1/2/2019 2:30 AM	7.91	1/3/2019 2:30 AM	7.82
1/1/2019 2:45 AM	7.87	1/2/2019 2:45 AM	7.91	1/3/2019 2:45 AM	7.81
1/1/2019 3:00 AM	7.89	1/2/2019 3:00 AM	7.91	1/3/2019 3:00 AM	7.81
1/1/2019 3:15 AM	7.90	1/2/2019 3:15 AM	7.91	1/3/2019 3:15 AM	7.80
1/1/2019 3:30 AM	7.91	1/2/2019 3:30 AM	7.91	1/3/2019 3:30 AM	7.80
1/1/2019 3:45 AM	7.91	1/2/2019 3:45 AM	7.86	1/3/2019 3:45 AM	7.79
1/1/2019 4:00 AM	7.91	1/2/2019 4:00 AM	7.84	1/3/2019 4:00 AM	7.80
1/1/2019 4:15 AM	7.91	1/2/2019 4:15 AM	7.82	1/3/2019 4:15 AM	7.83
1/1/2019 4:30 AM	7.90	1/2/2019 4:30 AM	7.82	1/3/2019 4:30 AM	7.86
1/1/2019 4:45 AM	7.90	1/2/2019 4:45 AM	7.82	1/3/2019 4:45 AM	7.87
1/1/2019 5:00 AM	7.89	1/2/2019 5:00 AM	7.82	1/3/2019 5:00 AM	7.88
1/1/2019 5:15 AM	7.87	1/2/2019 5:15 AM	7.82	1/3/2019 5:15 AM	7.89
1/1/2019 5:30 AM	7.85	1/2/2019 5:30 AM	7.86	1/3/2019 5:30 AM	7.89
1/1/2019 5:45 AM	7.83	1/2/2019 5:45 AM	7.89	1/3/2019 5:45 AM	7.89
1/1/2019 6:00 AM	7.81	1/2/2019 6:00 AM	7.89	1/3/2019 6:00 AM	7.89
1/1/2019 6:15 AM	7.80	1/2/2019 6:15 AM	7.90	1/3/2019 6:15 AM	7.89
1/1/2019 6:30 AM	7.80	1/2/2019 6:30 AM	7.90	1/3/2019 6:30 AM	7.89
1/1/2019 6:45 AM	7.80	1/2/2019 6:45 AM	7.90	1/3/2019 6:45 AM	7.84
1/1/2019 7:00 AM	7.79	1/2/2019 7:00 AM	7.90	1/3/2019 7:00 AM	7.82
1/1/2019 7:15 AM	7.83	1/2/2019 7:15 AM	7.90	1/3/2019 7:15 AM	7.81
1/1/2019 7:30 AM	7.85	1/2/2019 7:30 AM	7.90	1/3/2019 7:30 AM	7.80
1/1/2019 7:45 AM	7.88	1/2/2019 7:45 AM	7.90	1/3/2019 7:45 AM	7.80
1/1/2019 8:00 AM	7.89	1/2/2019 8:00 AM	7.91	1/3/2019 8:00 AM	7.79
1/1/2019 8:15 AM	7.89	1/2/2019 8:15 AM	7.86	1/3/2019 8:15 AM	7.80
1/1/2019 8:30 AM	7.90	1/2/2019 8:30 AM	7.83	1/3/2019 8:30 AM	7.84
1/1/2019 8:45 AM	7.89	1/2/2019 8:45 AM	7.82	1/3/2019 8:45 AM	7.86
1/1/2019 9:00 AM	7.89	1/2/2019 9:00 AM	7.82	1/3/2019 9:00 AM	7.87
1/1/2019 9:15 AM	7.88	1/2/2019 9:15 AM	7.81	1/3/2019 9:15 AM	7.88
1/1/2019 9:30 AM	7.88	1/2/2019 9:30 AM	7.81	1/3/2019 9:30 AM	7.88
1/1/2019 9:45 AM	7.87	1/2/2019 9:45 AM	7.81	1/3/2019 9:45 AM	7.89
1/1/2019 10:00 AM	7.85	1/2/2019 10:00 AM	7.81	1/3/2019 10:00 AM	7.89
1/1/2019 10:15 AM	7.83	1/2/2019 10:15 AM	7.83	1/3/2019 10:15 AM	7.89
1/1/2019 10:30 AM	7.82	1/2/2019 10:30 AM	7.87	1/3/2019 10:30 AM	7.89
1/1/2019 10:45 AM	7.81	1/2/2019 10:45 AM	7.88	1/3/2019 10:45 AM	7.89
1/1/2019 11:00 AM	7.81	1/2/2019 11:00 AM	7.89	1/3/2019 11:00 AM	7.87
1/1/2019 11:15 AM	7.81	1/2/2019 11:15 AM	7.90	1/3/2019 11:15 AM	7.84
1/1/2019 11:30 AM	7.81	1/2/2019 11:30 AM	7.90	1/3/2019 11:30 AM	7.80
1/1/2019 11:45 AM	7.81	1/2/2019 11:45 AM	7.91	1/3/2019 11:45 AM	7.80
1/1/2019 12:00 PM	7.85	1/2/2019 12:00 PM	7.91	1/3/2019 12:00 PM	7.79
1/1/2019 12:15 PM	7.86	1/2/2019 12:15 PM	7.91	1/3/2019 12:15 PM	7.78
1/1/2019 12:30 PM	7.88	1/2/2019 12:30 PM	7.89	1/3/2019 12:30 PM	7.78
1/1/2019 12:45 PM	7.88	1/2/2019 12:45 PM	7.86	1/3/2019 12:45 PM	7.78
1/1/2019 1:00 PM	7.89	1/2/2019 1:00 PM	7.83	1/3/2019 1:00 PM	7.78
1/1/2019 1:15 PM	7.90	1/2/2019 1:15 PM	7.82	1/3/2019 1:15 PM	7.81
1/1/2019 1:30 PM	7.88	1/2/2019 1:30 PM	7.82	1/3/2019 1:30 PM	7.84
1/1/2019 1:45 PM	7.88	1/2/2019 1:45 PM	7.81	1/3/2019 1:45 PM	7.85
1/1/2019 2:00 PM	7.86	1/2/2019 2:00 PM	7.81	1/3/2019 2:00 PM	7.86
1/1/2019 2:15 PM	7.86	1/2/2019 2:15 PM	7.81	1/3/2019 2:15 PM	7.86
1/1/2019 2:30 PM	7.84	1/2/2019 2:30 PM	7.81	1/3/2019 2:30 PM	7.85
1/1/2019 2:45 PM	7.83	1/2/2019 2:45 PM	7.83	1/3/2019 2:45 PM	7.85
1/1/2019 3:00 PM	7.83	1/2/2019 3:00 PM	7.87	1/3/2019 3:00 PM	7.85
1/1/2019 3:15 PM	7.83	1/2/2019 3:15 PM	7.88	1/3/2019 3:15 PM	7.84
1/1/2019 3:30 PM	7.82	1/2/2019 3:30 PM	7.88	1/3/2019 3:30 PM	7.84
1/1/2019 3:45 PM	7.82	1/2/2019 3:45 PM	7.88	1/3/2019 3:45 PM	7.83
1/1/2019 4:00 PM	7.84	1/2/2019 4:00 PM	7.88	1/3/2019 4:00 PM	7.83
1/1/2019 4:15 PM	7.87	1/2/2019 4:15 PM	7.87	1/3/2019 4:15 PM	7.83
1/1/2019 4:30 PM	7.87	1/2/2019 4:30 PM	7.87	1/3/2019 4:30 PM	7.83
1/1/2019 4:45 PM	7.87	1/2/2019 4:45 PM	7.86	1/3/2019 4:45 PM	7.83
1/1/2019 5:00 PM	7.87	1/2/2019 5:00 PM	7.85	1/3/2019 5:00 PM	7.82
1/1/2019 5:15 PM	7.86	1/2/2019 5:15 PM	7.81	1/3/2019 5:15 PM	7.79
1/1/2019 5:30 PM	7.86	1/2/2019 5:30 PM	7.80	1/3/2019 5:30 PM	7.78
1/1/2019 5:45 PM	7.85	1/2/2019 5:45 PM	7.80	1/3/2019 5:45 PM	7.79
1/1/2019 6:00 PM	7.85	1/2/2019 6:00 PM	7.80	1/3/2019 6:00 PM	7.85
1/1/2019 6:15 PM	7.85	1/2/2019 6:15 PM	7.80	1/3/2019 6:15 PM	7.86
1/1/2019 6:30 PM	7.85	1/2/2019 6:30 PM	7.79	1/3/2019 6:30 PM	7.87
1/1/2019 6:45 PM	7.85	1/2/2019 6:45 PM	7.79	1/3/2019 6:45 PM	7.87
1/1/2019 7:00 PM	7.85	1/2/2019 7:00 PM	7.85	1/3/2019 7:00 PM	7.87
1/1/2019 7:15 PM	7.85	1/2/2019 7:15 PM	7.88	1/3/2019 7:15 PM	7.87
1/1/2019 7:30 PM	7.85	1/2/2019 7:30 PM	7.88	1/3/2019 7:30 PM	7.87
1/1/2019 7:45 PM	7.84	1/2/2019 7:45 PM	7.88	1/3/2019 7:45 PM	7.87
1/1/2019 8:00 PM	7.84	1/2/2019 8:00 PM	7.89	1/3/2019 8:00 PM	7.87
1/1/2019 8:15 PM	7.81	1/2/2019 8:15 PM	7.89	1/3/2019 8:15 PM	7.82
1/1/2019 8:30 PM	7.81	1/2/2019 8:30 PM	7.90	1/3/2019 8:30 PM	7.80
1/1/2019 8:45 PM	7.81	1/2/2019 8:45 PM	7.89	1/3/2019 8:45 PM	7.79
1/1/2019 9:00 PM	7.83	1/2/2019 9:00 PM	7.90	1/3/2019 9:00 PM	7.78
1/1/2019 9:15 PM	7.86	1/2/2019 9:15 PM	7.90	1/3/2019 9:15 PM	7.78
1/1/2019 9:30 PM	7.88	1/2/2019 9:30 PM	7.90	1/3/2019 9:30 PM	7.78
1/1/2019 9:45 PM	7.88	1/2/2019 9:45 PM	7.85	1/3/2019 9:45 PM	7.78
1/1/2019 10:00 PM	7.87	1/2/2019 10:00 PM	7.83	1/3/2019 10:00 PM	7.78
1/1/2019 10:15 PM	7.86	1/2/2019 10:15 PM	7.82	1/3/2019 10:15 PM	7.82
1/1/2019 10:30 PM	7.86	1/2/2019 10:30 PM	7.81	1/3/2019 10:30 PM	7.85
1/1/2019 10:45 PM	7.85	1/2/2019 10:45 PM	7.80	1/3/2019 10:45 PM	7.86
1/1/2019 11:00 PM	7.85	1/2/2019 11:00 PM	7.80	1/3/2019 11:00 PM	7.86
1/1/2019 11:15 PM	7.81	1/2/2019 11:15 PM	7.80	1/3/2019 11:15 PM	7.86
1/1/2019 11:30 PM	7.80	1/2/2019 11:30 PM	7.80	1/3/2019 11:30 PM	7.86
1/1/2019 11:45 PM	7.80	1/2/2019 11:45 PM	7.80	1/3/2019 11:45 PM	7.86

AVG

7.85

AVG

7.85

AVG

7.84

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/4/2019 12:00 AM	7.86	1/5/2019 12:00 AM	7.75	1/6/2019 12:00 AM	7.81
1/4/2019 12:15 AM	7.86	1/5/2019 12:15 AM	7.75	1/6/2019 12:15 AM	7.82
1/4/2019 12:30 AM	7.84	1/5/2019 12:30 AM	7.75	1/6/2019 12:30 AM	7.82
1/4/2019 12:45 AM	7.80	1/5/2019 12:45 AM	7.75	1/6/2019 12:45 AM	7.83
1/4/2019 1:00 AM	7.78	1/5/2019 1:00 AM	7.74	1/6/2019 1:00 AM	7.83
1/4/2019 1:15 AM	7.77	1/5/2019 1:15 AM	7.77	1/6/2019 1:15 AM	7.83
1/4/2019 1:30 AM	7.78	1/5/2019 1:30 AM	7.82	1/6/2019 1:30 AM	7.83
1/4/2019 1:45 AM	7.77	1/5/2019 1:45 AM	7.83	1/6/2019 1:45 AM	7.83
1/4/2019 2:00 AM	7.78	1/5/2019 2:00 AM	7.84	1/6/2019 2:00 AM	7.83
1/4/2019 2:15 AM	7.77	1/5/2019 2:15 AM	7.84	1/6/2019 2:15 AM	7.78
1/4/2019 2:30 AM	7.77	1/5/2019 2:30 AM	7.84	1/6/2019 2:30 AM	7.75
1/4/2019 2:45 AM	7.77	1/5/2019 2:45 AM	7.84	1/6/2019 2:45 AM	7.75
1/4/2019 3:00 AM	7.83	1/5/2019 3:00 AM	7.84	1/6/2019 3:00 AM	7.74
1/4/2019 3:15 AM	7.86	1/5/2019 3:15 AM	7.83	1/6/2019 3:15 AM	7.74
1/4/2019 3:30 AM	7.86	1/5/2019 3:30 AM	7.84	1/6/2019 3:30 AM	7.74
1/4/2019 3:45 AM	7.86	1/5/2019 3:45 AM	7.78	1/6/2019 3:45 AM	7.73
1/4/2019 4:00 AM	7.86	1/5/2019 4:00 AM	7.76	1/6/2019 4:00 AM	7.73
1/4/2019 4:15 AM	7.86	1/5/2019 4:15 AM	7.76	1/6/2019 4:15 AM	7.75
1/4/2019 4:30 AM	7.86	1/5/2019 4:30 AM	7.75	1/6/2019 4:30 AM	7.80
1/4/2019 4:45 AM	7.85	1/5/2019 4:45 AM	7.75	1/6/2019 4:45 AM	7.82
1/4/2019 5:00 AM	7.84	1/5/2019 5:00 AM	7.75	1/6/2019 5:00 AM	7.82
1/4/2019 5:15 AM	7.79	1/5/2019 5:15 AM	7.75	1/6/2019 5:15 AM	7.83
1/4/2019 5:30 AM	7.78	1/5/2019 5:30 AM	7.75	1/6/2019 5:30 AM	7.83
1/4/2019 5:45 AM	7.77	1/5/2019 5:45 AM	7.77	1/6/2019 5:45 AM	7.82
1/4/2019 6:00 AM	7.77	1/5/2019 6:00 AM	7.82	1/6/2019 6:00 AM	7.82
1/4/2019 6:15 AM	7.77	1/5/2019 6:15 AM	7.84	1/6/2019 6:15 AM	7.81
1/4/2019 6:30 AM	7.77	1/5/2019 6:30 AM	7.85	1/6/2019 6:30 AM	7.81
1/4/2019 6:45 AM	7.77	1/5/2019 6:45 AM	7.85	1/6/2019 6:45 AM	7.76
1/4/2019 7:00 AM	7.77	1/5/2019 7:00 AM	7.85	1/6/2019 7:00 AM	7.74
1/4/2019 7:15 AM	7.84	1/5/2019 7:15 AM	7.85	1/6/2019 7:15 AM	7.74
1/4/2019 7:30 AM	7.86	1/5/2019 7:30 AM	7.85	1/6/2019 7:30 AM	7.74
1/4/2019 7:45 AM	7.86	1/5/2019 7:45 AM	7.85	1/6/2019 7:45 AM	7.73
1/4/2019 8:00 AM	7.87	1/5/2019 8:00 AM	7.84	1/6/2019 8:00 AM	7.74
1/4/2019 8:15 AM	7.87	1/5/2019 8:15 AM	7.79	1/6/2019 8:15 AM	7.73
1/4/2019 8:30 AM	7.87	1/5/2019 8:30 AM	7.77	1/6/2019 8:30 AM	7.73
1/4/2019 8:45 AM	7.86	1/5/2019 8:45 AM	7.76	1/6/2019 8:45 AM	7.78
1/4/2019 9:00 AM	7.85	1/5/2019 9:00 AM	7.76	1/6/2019 9:00 AM	7.80
1/4/2019 9:15 AM	7.85	1/5/2019 9:15 AM	7.75	1/6/2019 9:15 AM	7.81
1/4/2019 9:30 AM	7.84	1/5/2019 9:30 AM	7.75	1/6/2019 9:30 AM	7.81
1/4/2019 9:45 AM	7.79	1/5/2019 9:45 AM	7.75	1/6/2019 9:45 AM	7.80
1/4/2019 10:00 AM	7.77	1/5/2019 10:00 AM	7.80	1/6/2019 10:00 AM	7.78
1/4/2019 10:15 AM	7.77	1/5/2019 10:15 AM	7.83	1/6/2019 10:15 AM	7.80
1/4/2019 10:30 AM	7.77	1/5/2019 10:30 AM	7.84	1/6/2019 10:30 AM	7.79
1/4/2019 10:45 AM	7.76	1/5/2019 10:45 AM	7.84	1/6/2019 10:45 AM	7.79
1/4/2019 11:00 AM	7.76	1/5/2019 11:00 AM	7.85	1/6/2019 11:00 AM	7.78
1/4/2019 11:15 AM	7.76	1/5/2019 11:15 AM	7.85	1/6/2019 11:15 AM	7.76
1/4/2019 11:30 AM	7.79	1/5/2019 11:30 AM	7.85	1/6/2019 11:30 AM	7.71
1/4/2019 11:45 AM	7.84	1/5/2019 11:45 AM	7.84	1/6/2019 11:45 AM	7.69
1/4/2019 12:00 PM	7.85	1/5/2019 12:00 PM	7.84	1/6/2019 12:00 PM	7.67
1/4/2019 12:15 PM	7.86	1/5/2019 12:15 PM	7.83	1/6/2019 12:15 PM	7.67
1/4/2019 12:30 PM	7.87	1/5/2019 12:30 PM	7.82	1/6/2019 12:30 PM	7.67
1/4/2019 12:45 PM	7.87	1/5/2019 12:45 PM	7.82	1/6/2019 12:45 PM	7.66
1/4/2019 1:00 PM	7.87	1/5/2019 1:00 PM	7.84	1/6/2019 1:00 PM	7.70
1/4/2019 1:15 PM	7.87	1/5/2019 1:15 PM	7.84	1/6/2019 1:15 PM	7.75
1/4/2019 1:30 PM	7.88	1/5/2019 1:30 PM	7.83	1/6/2019 1:30 PM	7.77
1/4/2019 1:45 PM	7.87	1/5/2019 1:45 PM	7.82	1/6/2019 1:45 PM	7.78
1/4/2019 2:00 PM	7.86	1/5/2019 2:00 PM	7.80	1/6/2019 2:00 PM	7.79
1/4/2019 2:15 PM	7.82	1/5/2019 2:15 PM	7.78	1/6/2019 2:15 PM	7.77
1/4/2019 2:30 PM	7.79	1/5/2019 2:30 PM	7.76	1/6/2019 2:30 PM	7.77
1/4/2019 2:45 PM	7.78	1/5/2019 2:45 PM	7.73	1/6/2019 2:45 PM	7.77
1/4/2019 3:00 PM	7.77	1/5/2019 3:00 PM	7.80	1/6/2019 3:00 PM	7.77
1/4/2019 3:15 PM	7.77	1/5/2019 3:15 PM	7.81	1/6/2019 3:15 PM	7.77
1/4/2019 3:30 PM	7.77	1/5/2019 3:30 PM	7.81	1/6/2019 3:30 PM	7.76
1/4/2019 3:45 PM	7.77	1/5/2019 3:45 PM	7.81	1/6/2019 3:45 PM	7.75
1/4/2019 4:00 PM	7.76	1/5/2019 4:00 PM	7.80	1/6/2019 4:00 PM	7.73
1/4/2019 4:15 PM	7.79	1/5/2019 4:15 PM	7.80	1/6/2019 4:15 PM	7.72
1/4/2019 4:30 PM	7.83	1/5/2019 4:30 PM	7.79	1/6/2019 4:30 PM	7.72
1/4/2019 4:45 PM	7.84	1/5/2019 4:45 PM	7.78	1/6/2019 4:45 PM	7.72
1/4/2019 5:00 PM	7.85	1/5/2019 5:00 PM	7.78	1/6/2019 5:00 PM	7.72
1/4/2019 5:15 PM	7.85	1/5/2019 5:15 PM	7.76	1/6/2019 5:15 PM	7.72
1/4/2019 5:30 PM	7.85	1/5/2019 5:30 PM	7.74	1/6/2019 5:30 PM	7.72
1/4/2019 5:45 PM	7.85	1/5/2019 5:45 PM	7.73	1/6/2019 5:45 PM	7.72
1/4/2019 6:00 PM	7.85	1/5/2019 6:00 PM	7.74	1/6/2019 6:00 PM	7.77
1/4/2019 6:15 PM	7.85	1/5/2019 6:15 PM	7.73	1/6/2019 6:15 PM	7.80
1/4/2019 6:30 PM	7.85	1/5/2019 6:30 PM	7.73	1/6/2019 6:30 PM	7.80
1/4/2019 6:45 PM	7.80	1/5/2019 6:45 PM	7.73	1/6/2019 6:45 PM	7.79
1/4/2019 7:00 PM	7.77	1/5/2019 7:00 PM	7.73	1/6/2019 7:00 PM	7.78
1/4/2019 7:15 PM	7.77	1/5/2019 7:15 PM	7.73	1/6/2019 7:15 PM	7.78
1/4/2019 7:30 PM	7.76	1/5/2019 7:30 PM	7.78	1/6/2019 7:30 PM	7.78
1/4/2019 7:45 PM	7.76	1/5/2019 7:45 PM	7.80	1/6/2019 7:45 PM	7.78
1/4/2019 8:00 PM	7.76	1/5/2019 8:00 PM	7.80	1/6/2019 8:00 PM	7.77
1/4/2019 8:15 PM	7.76	1/5/2019 8:15 PM	7.80	1/6/2019 8:15 PM	7.73
1/4/2019 8:30 PM	7.81	1/5/2019 8:30 PM	7.79	1/6/2019 8:30 PM	7.72
1/4/2019 8:45 PM	7.83	1/5/2019 8:45 PM	7.79	1/6/2019 8:45 PM	7.72
1/4/2019 9:00 PM	7.84	1/5/2019 9:00 PM	7.78	1/6/2019 9:00 PM	7.72
1/4/2019 9:15 PM	7.85	1/5/2019 9:15 PM	7.78	1/6/2019 9:15 PM	7.72
1/4/2019 9:30 PM	7.85	1/5/2019 9:30 PM	7.77	1/6/2019 9:30 PM	7.72
1/4/2019 9:45 PM	7.85	1/5/2019 9:45 PM	7.73	1/6/2019 9:45 PM	7.72
1/4/2019 10:00 PM	7.83	1/5/2019 10:00 PM	7.73	1/6/2019 10:00 PM	7.77
1/4/2019 10:15 PM	7.84	1/5/2019 10:15 PM	7.73	1/6/2019 10:15 PM	7.81
1/4/2019 10:30 PM	7.84	1/5/2019 10:30 PM	7.73	1/6/2019 10:30 PM	7.82
1/4/2019 10:45 PM	7.82	1/5/2019 10:45 PM	7.72	1/6/2019 10:45 PM	7.82
1/4/2019 11:00 PM	7.82	1/5/2019 11:00 PM	7.73	1/6/2019 11:00 PM	7.83
1/4/2019 11:15 PM	7.78	1/5/2019 11:15 PM	7.72	1/6/2019 11:15 PM	7.81
1/4/2019 11:30 PM	7.76	1/5/2019 11:30 PM	7.77	1/6/2019 11:30 PM	7.82
1/4/2019 11:45 PM	7.75	1/5/2019 11:45 PM	7.80	1/6/2019 11:45 PM	7.81

AVG

7.82

AVG

7.79

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7.77

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/7/2019 12:00 AM	7.81	1/8/2019 12:00 AM	7.72	1/9/2019 12:00 AM	7.77
1/7/2019 12:15 AM	7.81	1/8/2019 12:15 AM	7.72	1/9/2019 12:15 AM	7.76
1/7/2019 12:30 AM	7.80	1/8/2019 12:30 AM	7.72	1/9/2019 12:30 AM	7.76
1/7/2019 12:45 AM	7.75	1/8/2019 12:45 AM	7.72	1/9/2019 12:45 AM	7.75
1/7/2019 1:00 AM	7.74	1/8/2019 1:00 AM	7.72	1/9/2019 1:00 AM	7.75
1/7/2019 1:15 AM	7.74	1/8/2019 1:15 AM	7.76	1/9/2019 1:15 AM	7.75
1/7/2019 1:30 AM	7.73	1/8/2019 1:30 AM	7.80	1/9/2019 1:30 AM	7.75
1/7/2019 1:45 AM	7.73	1/8/2019 1:45 AM	7.82	1/9/2019 1:45 AM	7.75
1/7/2019 2:00 AM	7.74	1/8/2019 2:00 AM	7.82	1/9/2019 2:00 AM	7.75
1/7/2019 2:15 AM	7.73	1/8/2019 2:15 AM	7.82	1/9/2019 2:15 AM	7.71
1/7/2019 2:30 AM	7.74	1/8/2019 2:30 AM	7.82	1/9/2019 2:30 AM	7.71
1/7/2019 2:45 AM	7.73	1/8/2019 2:45 AM	7.83	1/9/2019 2:45 AM	7.70
1/7/2019 3:00 AM	7.80	1/8/2019 3:00 AM	7.82	1/9/2019 3:00 AM	7.70
1/7/2019 3:15 AM	7.82	1/8/2019 3:15 AM	7.81	1/9/2019 3:15 AM	7.69
1/7/2019 3:30 AM	7.83	1/8/2019 3:30 AM	7.81	1/9/2019 3:30 AM	7.70
1/7/2019 3:45 AM	7.82	1/8/2019 3:45 AM	7.80	1/9/2019 3:45 AM	7.70
1/7/2019 4:00 AM	7.82	1/8/2019 4:00 AM	7.80	1/9/2019 4:00 AM	7.69
1/7/2019 4:15 AM	7.81	1/8/2019 4:15 AM	7.80	1/9/2019 4:15 AM	7.70
1/7/2019 4:30 AM	7.81	1/8/2019 4:30 AM	7.80	1/9/2019 4:30 AM	7.75
1/7/2019 4:45 AM	7.80	1/8/2019 4:45 AM	7.80	1/9/2019 4:45 AM	7.78
1/7/2019 5:00 AM	7.80	1/8/2019 5:00 AM	7.80	1/9/2019 5:00 AM	7.78
1/7/2019 5:15 AM	7.74	1/8/2019 5:15 AM	7.80	1/9/2019 5:15 AM	7.78
1/7/2019 5:30 AM	7.73	1/8/2019 5:30 AM	7.80	1/9/2019 5:30 AM	7.78
1/7/2019 5:45 AM	7.73	1/8/2019 5:45 AM	7.80	1/9/2019 5:45 AM	7.77
1/7/2019 6:00 AM	7.73	1/8/2019 6:00 AM	7.80	1/9/2019 6:00 AM	7.76
1/7/2019 6:15 AM	7.73	1/8/2019 6:15 AM	7.80	1/9/2019 6:15 AM	7.76
1/7/2019 6:30 AM	7.73	1/8/2019 6:30 AM	7.80	1/9/2019 6:30 AM	7.76
1/7/2019 6:45 AM	7.73	1/8/2019 6:45 AM	7.80	1/9/2019 6:45 AM	7.71
1/7/2019 7:00 AM	7.72	1/8/2019 7:00 AM	7.80	1/9/2019 7:00 AM	7.70
1/7/2019 7:15 AM	7.78	1/8/2019 7:15 AM	7.80	1/9/2019 7:15 AM	7.69
1/7/2019 7:30 AM	7.82	1/8/2019 7:30 AM	7.80	1/9/2019 7:30 AM	7.69
1/7/2019 7:45 AM	7.83	1/8/2019 7:45 AM	7.80	1/9/2019 7:45 AM	7.70
1/7/2019 8:00 AM	7.83	1/8/2019 8:00 AM	7.80	1/9/2019 8:00 AM	7.69
1/7/2019 8:15 AM	7.83	1/8/2019 8:15 AM	7.78	1/9/2019 8:15 AM	7.69
1/7/2019 8:30 AM	7.82	1/8/2019 8:30 AM	7.74	1/9/2019 8:30 AM	7.69
1/7/2019 8:45 AM	7.81	1/8/2019 8:45 AM	7.73	1/9/2019 8:45 AM	7.75
1/7/2019 9:00 AM	7.80	1/8/2019 9:00 AM	7.72	1/9/2019 9:00 AM	7.78
1/7/2019 9:15 AM	7.80	1/8/2019 9:15 AM	7.71	1/9/2019 9:15 AM	7.78
1/7/2019 9:30 AM	7.79	1/8/2019 9:30 AM	7.71	1/9/2019 9:30 AM	7.78
1/7/2019 9:45 AM	7.79	1/8/2019 9:45 AM	7.70	1/9/2019 9:45 AM	7.78
1/7/2019 10:00 AM	7.79	1/8/2019 10:00 AM	6.76	1/9/2019 10:00 AM	7.77
1/7/2019 10:15 AM	7.78	1/8/2019 10:15 AM	7.66	1/9/2019 10:15 AM	7.76
1/7/2019 10:30 AM	7.78	1/8/2019 10:30 AM	6.76	1/9/2019 10:30 AM	7.76
1/7/2019 10:45 AM	7.78	1/8/2019 10:45 AM	7.73	1/9/2019 10:45 AM	7.75
1/7/2019 11:00 AM	7.78	1/8/2019 11:00 AM	7.75	1/9/2019 11:00 AM	7.75
1/7/2019 11:15 AM	7.73	1/8/2019 11:15 AM	7.76	1/9/2019 11:15 AM	7.71
1/7/2019 11:30 AM	7.73	1/8/2019 11:30 AM	7.77	1/9/2019 11:30 AM	7.70
1/7/2019 11:45 AM	7.80	1/8/2019 11:45 AM	7.77	1/9/2019 11:45 AM	7.69
1/7/2019 12:00 PM	7.82	1/8/2019 12:00 PM	7.78	1/9/2019 12:00 PM	7.69
1/7/2019 12:15 PM	7.82	1/8/2019 12:15 PM	7.76	1/9/2019 12:15 PM	7.69
1/7/2019 12:30 PM	7.82	1/8/2019 12:30 PM	7.75	1/9/2019 12:30 PM	7.69
1/7/2019 12:45 PM	7.81	1/8/2019 12:45 PM	7.67	1/9/2019 12:45 PM	7.68
1/7/2019 1:00 PM	7.81	1/8/2019 1:00 PM	7.65	1/9/2019 1:00 PM	7.71
1/7/2019 1:15 PM	7.80	1/8/2019 1:15 PM	7.61	1/9/2019 1:15 PM	7.76
1/7/2019 1:30 PM	7.79	1/8/2019 1:30 PM	7.61	1/9/2019 1:30 PM	7.77
1/7/2019 1:45 PM	7.79	1/8/2019 1:45 PM	7.63	1/9/2019 1:45 PM	7.77
1/7/2019 2:00 PM	7.79	1/8/2019 2:00 PM	7.67	1/9/2019 2:00 PM	7.77
1/7/2019 2:15 PM	7.74	1/8/2019 2:15 PM	7.70	1/9/2019 2:15 PM	7.76
1/7/2019 2:30 PM	7.73	1/8/2019 2:30 PM	7.70	1/9/2019 2:30 PM	7.75
1/7/2019 2:45 PM	7.73	1/8/2019 2:45 PM	7.71	1/9/2019 2:45 PM	7.74
1/7/2019 3:00 PM	7.73	1/8/2019 3:00 PM	7.71	1/9/2019 3:00 PM	7.74
1/7/2019 3:15 PM	7.72	1/8/2019 3:15 PM	7.73	1/9/2019 3:15 PM	7.74
1/7/2019 3:30 PM	7.73	1/8/2019 3:30 PM	7.78	1/9/2019 3:30 PM	7.74
1/7/2019 3:45 PM	7.72	1/8/2019 3:45 PM	7.75	1/9/2019 3:45 PM	7.68
1/7/2019 4:00 PM	7.72	1/8/2019 4:00 PM	7.74	1/9/2019 4:00 PM	7.67
1/7/2019 4:15 PM	7.74	1/8/2019 4:15 PM	7.78	1/9/2019 4:15 PM	7.67
1/7/2019 4:30 PM	7.80	1/8/2019 4:30 PM	7.80	1/9/2019 4:30 PM	7.67
1/7/2019 4:45 PM	7.82	1/8/2019 4:45 PM	7.81	1/9/2019 4:45 PM	7.67
1/7/2019 5:00 PM	7.82	1/8/2019 5:00 PM	7.81	1/9/2019 5:00 PM	7.67
1/7/2019 5:15 PM	7.82	1/8/2019 5:15 PM	7.77	1/9/2019 5:15 PM	7.67
1/7/2019 5:30 PM	7.81	1/8/2019 5:30 PM	7.75	1/9/2019 5:30 PM	7.67
1/7/2019 5:45 PM	7.81	1/8/2019 5:45 PM	7.74	1/9/2019 5:45 PM	7.66
1/7/2019 6:00 PM	7.80	1/8/2019 6:00 PM	7.73	1/9/2019 6:00 PM	7.74
1/7/2019 6:15 PM	7.79	1/8/2019 6:15 PM	7.79	1/9/2019 6:15 PM	7.77
1/7/2019 6:30 PM	7.79	1/8/2019 6:30 PM	7.80	1/9/2019 6:30 PM	7.75
1/7/2019 6:45 PM	7.78	1/8/2019 6:45 PM	7.81	1/9/2019 6:45 PM	7.75
1/7/2019 7:00 PM	7.78	1/8/2019 7:00 PM	7.80	1/9/2019 7:00 PM	7.74
1/7/2019 7:15 PM	7.78	1/8/2019 7:15 PM	7.80	1/9/2019 7:15 PM	7.74
1/7/2019 7:30 PM	7.79	1/8/2019 7:30 PM	7.79	1/9/2019 7:30 PM	7.74
1/7/2019 7:45 PM	7.79	1/8/2019 7:45 PM	7.75	1/9/2019 7:45 PM	7.74
1/7/2019 8:00 PM	7.79	1/8/2019 8:00 PM	7.74	1/9/2019 8:00 PM	7.73
1/7/2019 8:15 PM	7.79	1/8/2019 8:15 PM	7.77	1/9/2019 8:15 PM	7.74
1/7/2019 8:30 PM	7.80	1/8/2019 8:30 PM	7.79	1/9/2019 8:30 PM	7.74
1/7/2019 8:45 PM	7.80	1/8/2019 8:45 PM	7.80	1/9/2019 8:45 PM	7.74
1/7/2019 9:00 PM	7.81	1/8/2019 9:00 PM	7.79	1/9/2019 9:00 PM	7.74
1/7/2019 9:15 PM	7.81	1/8/2019 9:15 PM	7.78	1/9/2019 9:15 PM	7.74
1/7/2019 9:30 PM	7.81	1/8/2019 9:30 PM	7.76	1/9/2019 9:30 PM	7.74
1/7/2019 9:45 PM	7.81	1/8/2019 9:45 PM	7.73	1/9/2019 9:45 PM	7.65
1/7/2019 10:00 PM	7.80	1/8/2019 10:00 PM	7.72	1/9/2019 10:00 PM	7.66
1/7/2019 10:15 PM	7.80	1/8/2019 10:15 PM	7.72	1/9/2019 10:15 PM	7.66
1/7/2019 10:30 PM	7.80	1/8/2019 10:30 PM	7.72	1/9/2019 10:30 PM	7.71
1/7/2019 10:45 PM	7.79	1/8/2019 10:45 PM	7.72	1/9/2019 10:45 PM	7.76
1/7/2019 11:00 PM	7.79	1/8/2019 11:00 PM	7.76	1/9/2019 11:00 PM	7.76
1/7/2019 11:15 PM	7.75	1/8/2019 11:15 PM	7.78	1/9/2019 11:15 PM	7.75
1/7/2019 11:30 PM	7.73	1/8/2019 11:30 PM	7.79	1/9/2019 11:30 PM	7.75
1/7/2019 11:45 PM	7.73	1/8/2019 11:45 PM	7.78	1/9/2019 11:45 PM	7.74

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7.78

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7.76

AVG

7.73

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/10/2019 12:00 AM	7.74	1/11/2019 12:00 AM	7.65	1/12/2019 12:00 AM	7.73
1/10/2019 12:15 AM	7.74	1/11/2019 12:15 AM	7.65	1/12/2019 12:15 AM	7.73
1/10/2019 12:30 AM	7.74	1/11/2019 12:30 AM	7.65	1/12/2019 12:30 AM	7.72
1/10/2019 12:45 AM	7.65	1/11/2019 12:45 AM	7.64	1/12/2019 12:45 AM	7.72
1/10/2019 1:00 AM	7.64	1/11/2019 1:00 AM	7.65	1/12/2019 1:00 AM	7.71
1/10/2019 1:15 AM	7.65	1/11/2019 1:15 AM	7.75	1/12/2019 1:15 AM	7.71
1/10/2019 1:30 AM	7.66	1/11/2019 1:30 AM	7.76	1/12/2019 1:30 AM	7.68
1/10/2019 1:45 AM	7.66	1/11/2019 1:45 AM	7.75	1/12/2019 1:45 AM	7.67
1/10/2019 2:00 AM	7.65	1/11/2019 2:00 AM	7.74	1/12/2019 2:00 AM	7.66
1/10/2019 2:15 AM	7.66	1/11/2019 2:15 AM	7.73	1/12/2019 2:15 AM	7.65
1/10/2019 2:30 AM	7.73	1/11/2019 2:30 AM	7.73	1/12/2019 2:30 AM	7.65
1/10/2019 2:45 AM	7.76	1/11/2019 2:45 AM	7.72	1/12/2019 2:45 AM	7.65
1/10/2019 3:00 AM	7.75	1/11/2019 3:00 AM	7.72	1/12/2019 3:00 AM	7.66
1/10/2019 3:15 AM	7.74	1/11/2019 3:15 AM	7.72	1/12/2019 3:15 AM	7.65
1/10/2019 3:30 AM	7.74	1/11/2019 3:30 AM	7.73	1/12/2019 3:30 AM	7.65
1/10/2019 3:45 AM	7.74	1/11/2019 3:45 AM	7.73	1/12/2019 3:45 AM	7.66
1/10/2019 4:00 AM	7.74	1/11/2019 4:00 AM	7.73	1/12/2019 4:00 AM	7.66
1/10/2019 4:15 AM	7.73	1/11/2019 4:15 AM	7.73	1/12/2019 4:15 AM	7.65
1/10/2019 4:30 AM	7.74	1/11/2019 4:30 AM	7.73	1/12/2019 4:30 AM	7.73
1/10/2019 4:45 AM	7.74	1/11/2019 4:45 AM	7.73	1/12/2019 4:45 AM	7.77
1/10/2019 5:00 AM	7.74	1/11/2019 5:00 AM	7.73	1/12/2019 5:00 AM	7.77
1/10/2019 5:15 AM	7.65	1/11/2019 5:15 AM	7.73	1/12/2019 5:15 AM	7.76
1/10/2019 5:30 AM	7.65	1/11/2019 5:30 AM	7.72	1/12/2019 5:30 AM	7.75
1/10/2019 5:45 AM	7.66	1/11/2019 5:45 AM	7.72	1/12/2019 5:45 AM	7.74
1/10/2019 6:00 AM	7.66	1/11/2019 6:00 AM	7.71	1/12/2019 6:00 AM	7.73
1/10/2019 6:15 AM	7.65	1/11/2019 6:15 AM	7.71	1/12/2019 6:15 AM	7.72
1/10/2019 6:30 AM	7.65	1/11/2019 6:30 AM	7.71	1/12/2019 6:30 AM	7.72
1/10/2019 6:45 AM	7.73	1/11/2019 6:45 AM	7.71	1/12/2019 6:45 AM	7.72
1/10/2019 7:00 AM	7.76	1/11/2019 7:00 AM	7.71	1/12/2019 7:00 AM	7.71
1/10/2019 7:15 AM	7.75	1/11/2019 7:15 AM	7.71	1/12/2019 7:15 AM	7.71
1/10/2019 7:30 AM	7.74	1/11/2019 7:30 AM	7.71	1/12/2019 7:30 AM	7.71
1/10/2019 7:45 AM	7.74	1/11/2019 7:45 AM	7.71	1/12/2019 7:45 AM	7.71
1/10/2019 8:00 AM	7.73	1/11/2019 8:00 AM	7.70	1/12/2019 8:00 AM	7.70
1/10/2019 8:15 AM	7.73	1/11/2019 8:15 AM	7.58	1/12/2019 8:15 AM	7.70
1/10/2019 8:30 AM	7.74	1/11/2019 8:30 AM	7.62	1/12/2019 8:30 AM	7.70
1/10/2019 8:45 AM	7.74	1/11/2019 8:45 AM	7.63	1/12/2019 8:45 AM	7.70
1/10/2019 9:00 AM	7.74	1/11/2019 9:00 AM	7.64	1/12/2019 9:00 AM	7.70
1/10/2019 9:15 AM	7.75	1/11/2019 9:15 AM	7.63	1/12/2019 9:15 AM	7.69
1/10/2019 9:30 AM	7.75	1/11/2019 9:30 AM	7.64	1/12/2019 9:30 AM	7.69
1/10/2019 9:45 AM	7.75	1/11/2019 9:45 AM	7.63	1/12/2019 9:45 AM	7.69
1/10/2019 10:00 AM	7.75	1/11/2019 10:00 AM	7.62	1/12/2019 10:00 AM	7.71
1/10/2019 10:15 AM	7.76	1/11/2019 10:15 AM	7.62	1/12/2019 10:15 AM	7.65
1/10/2019 10:30 AM	7.62	1/11/2019 10:30 AM	7.62	1/12/2019 10:30 AM	7.65
1/10/2019 10:45 AM	7.64	1/11/2019 10:45 AM	7.63	1/12/2019 10:45 AM	7.65
1/10/2019 11:00 AM	7.65	1/11/2019 11:00 AM	7.72	1/12/2019 11:00 AM	7.65
1/10/2019 11:15 AM	7.66	1/11/2019 11:15 AM	7.76	1/12/2019 11:15 AM	7.65
1/10/2019 11:30 AM	7.67	1/11/2019 11:30 AM	7.77	1/12/2019 11:30 AM	7.65
1/10/2019 11:45 AM	7.71	1/11/2019 11:45 AM	7.78	1/12/2019 11:45 AM	7.64
1/10/2019 12:00 PM	7.78	1/11/2019 12:00 PM	7.68	1/12/2019 12:00 PM	7.65
1/10/2019 12:15 PM	7.77	1/11/2019 12:15 PM	7.66	1/12/2019 12:15 PM	7.64
1/10/2019 12:30 PM	7.77	1/11/2019 12:30 PM	7.65	1/12/2019 12:30 PM	7.65
1/10/2019 12:45 PM	7.77	1/11/2019 12:45 PM	7.64	1/12/2019 12:45 PM	7.65
1/10/2019 1:00 PM	7.78	1/11/2019 1:00 PM	7.63	1/12/2019 1:00 PM	7.74
1/10/2019 1:15 PM	7.76	1/11/2019 1:15 PM	7.63	1/12/2019 1:15 PM	7.69
1/10/2019 1:30 PM	7.75	1/11/2019 1:30 PM	7.63	1/12/2019 1:30 PM	7.66
1/10/2019 1:45 PM	7.74	1/11/2019 1:45 PM	7.62	1/12/2019 1:45 PM	7.72
1/10/2019 2:00 PM	7.73	1/11/2019 2:00 PM	7.62	1/12/2019 2:00 PM	7.76
1/10/2019 2:15 PM	7.65	1/11/2019 2:15 PM	7.62	1/12/2019 2:15 PM	7.75
1/10/2019 2:30 PM	7.65	1/11/2019 2:30 PM	7.72	1/12/2019 2:30 PM	7.75
1/10/2019 2:45 PM	7.66	1/11/2019 2:45 PM	7.74	1/12/2019 2:45 PM	7.68
1/10/2019 3:00 PM	7.65	1/11/2019 3:00 PM	7.74	1/12/2019 3:00 PM	7.67
1/10/2019 3:15 PM	7.65	1/11/2019 3:15 PM	7.74	1/12/2019 3:15 PM	7.66
1/10/2019 3:30 PM	7.66	1/11/2019 3:30 PM	7.72	1/12/2019 3:30 PM	7.65
1/10/2019 3:45 PM	7.66	1/11/2019 3:45 PM	7.72	1/12/2019 3:45 PM	7.65
1/10/2019 4:00 PM	7.74	1/11/2019 4:00 PM	7.70	1/12/2019 4:00 PM	7.65
1/10/2019 4:15 PM	7.78	1/11/2019 4:15 PM	7.65	1/12/2019 4:15 PM	7.66
1/10/2019 4:30 PM	7.77	1/11/2019 4:30 PM	7.64	1/12/2019 4:30 PM	7.74
1/10/2019 4:45 PM	7.75	1/11/2019 4:45 PM	7.64	1/12/2019 4:45 PM	7.74
1/10/2019 5:00 PM	7.74	1/11/2019 5:00 PM	7.64	1/12/2019 5:00 PM	7.72
1/10/2019 5:15 PM	7.74	1/11/2019 5:15 PM	7.64	1/12/2019 5:15 PM	7.71
1/10/2019 5:30 PM	7.73	1/11/2019 5:30 PM	7.63	1/12/2019 5:30 PM	7.71
1/10/2019 5:45 PM	7.73	1/11/2019 5:45 PM	7.64	1/12/2019 5:45 PM	7.70
1/10/2019 6:00 PM	7.73	1/11/2019 6:00 PM	7.64	1/12/2019 6:00 PM	7.70
1/10/2019 6:15 PM	7.73	1/11/2019 6:15 PM	7.64	1/12/2019 6:15 PM	7.70
1/10/2019 6:30 PM	7.73	1/11/2019 6:30 PM	7.64	1/12/2019 6:30 PM	7.70
1/10/2019 6:45 PM	7.73	1/11/2019 6:45 PM	7.65	1/12/2019 6:45 PM	7.70
1/10/2019 7:00 PM	7.72	1/11/2019 7:00 PM	7.65	1/12/2019 7:00 PM	7.70
1/10/2019 7:15 PM	7.72	1/11/2019 7:15 PM	7.72	1/12/2019 7:15 PM	7.65
1/10/2019 7:30 PM	7.72	1/11/2019 7:30 PM	7.74	1/12/2019 7:30 PM	7.63
1/10/2019 7:45 PM	7.72	1/11/2019 7:45 PM	7.68	1/12/2019 7:45 PM	7.63
1/10/2019 8:00 PM	7.72	1/11/2019 8:00 PM	7.67	1/12/2019 8:00 PM	7.71
1/10/2019 8:15 PM	7.73	1/11/2019 8:15 PM	7.66	1/12/2019 8:15 PM	7.74
1/10/2019 8:30 PM	7.72	1/11/2019 8:30 PM	7.66	1/12/2019 8:30 PM	7.72
1/10/2019 8:45 PM	7.72	1/11/2019 8:45 PM	7.75	1/12/2019 8:45 PM	7.71
1/10/2019 9:00 PM	7.72	1/11/2019 9:00 PM	7.73	1/12/2019 9:00 PM	7.70
1/10/2019 9:15 PM	7.72	1/11/2019 9:15 PM	7.68	1/12/2019 9:15 PM	7.70
1/10/2019 9:30 PM	7.72	1/11/2019 9:30 PM	7.68	1/12/2019 9:30 PM	7.64
1/10/2019 9:45 PM	7.72	1/11/2019 9:45 PM	7.67	1/12/2019 9:45 PM	7.64
1/10/2019 10:00 PM	7.72	1/11/2019 10:00 PM	7.66	1/12/2019 10:00 PM	7.63
1/10/2019 10:15 PM	7.72	1/11/2019 10:15 PM	7.65	1/12/2019 10:15 PM	7.63
1/10/2019 10:30 PM	7.72	1/11/2019 10:30 PM	7.66	1/12/2019 10:30 PM	7.67
1/10/2019 10:45 PM	7.72	1/11/2019 10:45 PM	7.73	1/12/2019 10:45 PM	7.73
1/10/2019 11:00 PM	7.72	1/11/2019 11:00 PM	7.76	1/12/2019 11:00 PM	7.74
1/10/2019 11:15 PM	7.61	1/11/2019 11:15 PM	7.77	1/12/2019 11:15 PM	7.73
1/10/2019 11:30 PM	7.64	1/11/2019 11:30 PM	7.76	1/12/2019 11:30 PM	7.72
1/10/2019 11:45 PM	7.65	1/11/2019 11:45 PM	7.75	1/12/2019 11:45 PM	7.66

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Date And Time	pH	Date And Time	pH	Date And Time	pH
1/13/2019 12:00 AM	7.64	1/14/2019 12:00 AM	7.63	1/15/2019 12:00 AM	7.61
1/13/2019 12:15 AM	7.64	1/14/2019 12:15 AM	7.63	1/15/2019 12:15 AM	7.67
1/13/2019 12:30 AM	7.64	1/14/2019 12:30 AM	7.63	1/15/2019 12:30 AM	7.71
1/13/2019 12:45 AM	7.63	1/14/2019 12:45 AM	7.63	1/15/2019 12:45 AM	7.70
1/13/2019 1:00 AM	7.64	1/14/2019 1:00 AM	7.62	1/15/2019 1:00 AM	7.68
1/13/2019 1:15 AM	7.63	1/14/2019 1:15 AM	7.72	1/15/2019 1:15 AM	7.68
1/13/2019 1:30 AM	7.69	1/14/2019 1:30 AM	7.75	1/15/2019 1:30 AM	7.67
1/13/2019 1:45 AM	7.74	1/14/2019 1:45 AM	7.75	1/15/2019 1:45 AM	7.66
1/13/2019 2:00 AM	7.72	1/14/2019 2:00 AM	7.75	1/15/2019 2:00 AM	7.66
1/13/2019 2:15 AM	7.71	1/14/2019 2:15 AM	7.73	1/15/2019 2:15 AM	7.66
1/13/2019 2:30 AM	7.70	1/14/2019 2:30 AM	7.71	1/15/2019 2:30 AM	7.66
1/13/2019 2:45 AM	7.70	1/14/2019 2:45 AM	7.71	1/15/2019 2:45 AM	7.66
1/13/2019 3:00 AM	7.70	1/14/2019 3:00 AM	7.70	1/15/2019 3:00 AM	7.66
1/13/2019 3:15 AM	7.70	1/14/2019 3:15 AM	7.70	1/15/2019 3:15 AM	7.66
1/13/2019 3:30 AM	7.70	1/14/2019 3:30 AM	7.69	1/15/2019 3:30 AM	7.66
1/13/2019 3:45 AM	7.70	1/14/2019 3:45 AM	7.69	1/15/2019 3:45 AM	7.66
1/13/2019 4:00 AM	7.70	1/14/2019 4:00 AM	7.69	1/15/2019 4:00 AM	7.66
1/13/2019 4:15 AM	7.62	1/14/2019 4:15 AM	7.68	1/15/2019 4:15 AM	7.59
1/13/2019 4:30 AM	7.61	1/14/2019 4:30 AM	7.68	1/15/2019 4:30 AM	7.59
1/13/2019 4:45 AM	7.63	1/14/2019 4:45 AM	7.68	1/15/2019 4:45 AM	7.60
1/13/2019 5:00 AM	7.63	1/14/2019 5:00 AM	7.68	1/15/2019 5:00 AM	7.60
1/13/2019 5:15 AM	7.62	1/14/2019 5:15 AM	7.67	1/15/2019 5:15 AM	7.59
1/13/2019 5:30 AM	7.63	1/14/2019 5:30 AM	7.67	1/15/2019 5:30 AM	7.61
1/13/2019 5:45 AM	7.64	1/14/2019 5:45 AM	7.67	1/15/2019 5:45 AM	7.60
1/13/2019 6:00 AM	7.63	1/14/2019 6:00 AM	7.67	1/15/2019 6:00 AM	7.60
1/13/2019 6:15 AM	7.62	1/14/2019 6:15 AM	7.67	1/15/2019 6:15 AM	7.59
1/13/2019 6:30 AM	7.63	1/14/2019 6:30 AM	7.67	1/15/2019 6:30 AM	7.60
1/13/2019 6:45 AM	7.72	1/14/2019 6:45 AM	7.67	1/15/2019 6:45 AM	7.60
1/13/2019 7:00 AM	7.72	1/14/2019 7:00 AM	7.66	1/15/2019 7:00 AM	7.60
1/13/2019 7:15 AM	7.72	1/14/2019 7:15 AM	7.62	1/15/2019 7:15 AM	7.60
1/13/2019 7:30 AM	7.71	1/14/2019 7:30 AM	7.62	1/15/2019 7:30 AM	7.66
1/13/2019 7:45 AM	7.70	1/14/2019 7:45 AM	7.61	1/15/2019 7:45 AM	7.71
1/13/2019 8:00 AM	7.70	1/14/2019 8:00 AM	7.61	1/15/2019 8:00 AM	7.71
1/13/2019 8:15 AM	7.70	1/14/2019 8:15 AM	7.61	1/15/2019 8:15 AM	7.70
1/13/2019 8:30 AM	7.70	1/14/2019 8:30 AM	7.60	1/15/2019 8:30 AM	7.69
1/13/2019 8:45 AM	7.69	1/14/2019 8:45 AM	7.62	1/15/2019 8:45 AM	7.67
1/13/2019 9:00 AM	7.69	1/14/2019 9:00 AM	7.61	1/15/2019 9:00 AM	7.67
1/13/2019 9:15 AM	7.70	1/14/2019 9:15 AM	7.61	1/15/2019 9:15 AM	7.66
1/13/2019 9:30 AM	7.70	1/14/2019 9:30 AM	7.61	1/15/2019 9:30 AM	7.66
1/13/2019 9:45 AM	7.70	1/14/2019 9:45 AM	7.61	1/15/2019 9:45 AM	7.66
1/13/2019 10:00 AM	7.70	1/14/2019 10:00 AM	7.61	1/15/2019 10:00 AM	7.65
1/13/2019 10:15 AM	7.70	1/14/2019 10:15 AM	7.61	1/15/2019 10:15 AM	7.65
1/13/2019 10:30 AM	7.70	1/14/2019 10:30 AM	7.70	1/15/2019 10:30 AM	7.64
1/13/2019 10:45 AM	7.70	1/14/2019 10:45 AM	7.73	1/15/2019 10:45 AM	7.64
1/13/2019 11:00 AM	7.70	1/14/2019 11:00 AM	7.74	1/15/2019 11:00 AM	7.64
1/13/2019 11:15 AM	7.70	1/14/2019 11:15 AM	7.75	1/15/2019 11:15 AM	7.59
1/13/2019 11:30 AM	7.70	1/14/2019 11:30 AM	7.74	1/15/2019 11:30 AM	7.59
1/13/2019 11:45 AM	7.69	1/14/2019 11:45 AM	7.73	1/15/2019 11:45 AM	7.59
1/13/2019 12:00 PM	7.69	1/14/2019 12:00 PM	7.72	1/15/2019 12:00 PM	7.59
1/13/2019 12:15 PM	7.69	1/14/2019 12:15 PM	7.71	1/15/2019 12:15 PM	7.59
1/13/2019 12:30 PM	7.68	1/14/2019 12:30 PM	7.69	1/15/2019 12:30 PM	7.59
1/13/2019 12:45 PM	7.68	1/14/2019 12:45 PM	7.70	1/15/2019 12:45 PM	7.58
1/13/2019 1:00 PM	7.68	1/14/2019 1:00 PM	7.69	1/15/2019 1:00 PM	7.59
1/13/2019 1:15 PM	7.60	1/14/2019 1:15 PM	7.68	1/15/2019 1:15 PM	7.59
1/13/2019 1:30 PM	7.61	1/14/2019 1:30 PM	7.68	1/15/2019 1:30 PM	7.59
1/13/2019 1:45 PM	7.62	1/14/2019 1:45 PM	7.67	1/15/2019 1:45 PM	7.59
1/13/2019 2:00 PM	7.62	1/14/2019 2:00 PM	7.67	1/15/2019 2:00 PM	7.60
1/13/2019 2:15 PM	7.62	1/14/2019 2:15 PM	7.68	1/15/2019 2:15 PM	7.68
1/13/2019 2:30 PM	7.62	1/14/2019 2:30 PM	7.67	1/15/2019 2:30 PM	7.71
1/13/2019 2:45 PM	7.63	1/14/2019 2:45 PM	7.66	1/15/2019 2:45 PM	7.72
1/13/2019 3:00 PM	7.63	1/14/2019 3:00 PM	7.66	1/15/2019 3:00 PM	7.72
1/13/2019 3:15 PM	7.62	1/14/2019 3:15 PM	7.67	1/15/2019 3:15 PM	7.71
1/13/2019 3:30 PM	7.62	1/14/2019 3:30 PM	7.67	1/15/2019 3:30 PM	7.68
1/13/2019 3:45 PM	7.62	1/14/2019 3:45 PM	7.66	1/15/2019 3:45 PM	7.64
1/13/2019 4:00 PM	7.63	1/14/2019 4:00 PM	7.66	1/15/2019 4:00 PM	7.63
1/13/2019 4:15 PM	7.62	1/14/2019 4:15 PM	7.62	1/15/2019 4:15 PM	7.63
1/13/2019 4:30 PM	7.71	1/14/2019 4:30 PM	7.61	1/15/2019 4:30 PM	7.62
1/13/2019 4:45 PM	7.75	1/14/2019 4:45 PM	7.60	1/15/2019 4:45 PM	7.62
1/13/2019 5:00 PM	7.75	1/14/2019 5:00 PM	7.60	1/15/2019 5:00 PM	7.63
1/13/2019 5:15 PM	7.73	1/14/2019 5:15 PM	7.60	1/15/2019 5:15 PM	7.62
1/13/2019 5:30 PM	7.72	1/14/2019 5:30 PM	7.60	1/15/2019 5:30 PM	7.62
1/13/2019 5:45 PM	7.71	1/14/2019 5:45 PM	7.60	1/15/2019 5:45 PM	7.67
1/13/2019 6:00 PM	7.71	1/14/2019 6:00 PM	7.59	1/15/2019 6:00 PM	7.71
1/13/2019 6:15 PM	7.70	1/14/2019 6:15 PM	7.68	1/15/2019 6:15 PM	7.72
1/13/2019 6:30 PM	7.70	1/14/2019 6:30 PM	7.70	1/15/2019 6:30 PM	7.72
1/13/2019 6:45 PM	7.70	1/14/2019 6:45 PM	7.70	1/15/2019 6:45 PM	7.71
1/13/2019 7:00 PM	7.70	1/14/2019 7:00 PM	7.69	1/15/2019 7:00 PM	7.70
1/13/2019 7:15 PM	7.70	1/14/2019 7:15 PM	7.63	1/15/2019 7:15 PM	7.69
1/13/2019 7:30 PM	7.70	1/14/2019 7:30 PM	7.61	1/15/2019 7:30 PM	7.68
1/13/2019 7:45 PM	7.70	1/14/2019 7:45 PM	7.61	1/15/2019 7:45 PM	7.67
1/13/2019 8:00 PM	7.69	1/14/2019 8:00 PM	7.60	1/15/2019 8:00 PM	7.68
1/13/2019 8:15 PM	7.69	1/14/2019 8:15 PM	7.61	1/15/2019 8:15 PM	7.63
1/13/2019 8:30 PM	7.69	1/14/2019 8:30 PM	7.61	1/15/2019 8:30 PM	7.62
1/13/2019 8:45 PM	7.68	1/14/2019 8:45 PM	7.60	1/15/2019 8:45 PM	7.62
1/13/2019 9:00 PM	7.68	1/14/2019 9:00 PM	7.61	1/15/2019 9:00 PM	7.61
1/13/2019 9:15 PM	7.68	1/14/2019 9:15 PM	7.60	1/15/2019 9:15 PM	7.63
1/13/2019 9:30 PM	7.68	1/14/2019 9:30 PM	7.60	1/15/2019 9:30 PM	7.61
1/13/2019 9:45 PM	7.68	1/14/2019 9:45 PM	7.60	1/15/2019 9:45 PM	7.62
1/13/2019 10:00 PM	7.65	1/14/2019 10:00 PM	7.65	1/15/2019 10:00 PM	7.62
1/13/2019 10:15 PM	7.62	1/14/2019 10:15 PM	7.70	1/15/2019 10:15 PM	7.62
1/13/2019 10:30 PM	7.64	1/14/2019 10:30 PM	7.70	1/15/2019 10:30 PM	7.63
1/13/2019 10:45 PM	7.63	1/14/2019 10:45 PM	7.69	1/15/2019 10:45 PM	7.71
1/13/2019 11:00 PM	7.64	1/14/2019 11:00 PM	7.68	1/15/2019 11:00 PM	7.72
1/13/2019 11:15 PM	7.63	1/14/2019 11:15 PM	7.67	1/15/2019 11:15 PM	7.72
1/13/2019 11:30 PM	7.62	1/14/2019 11:30 PM	7.66	1/15/2019 11:30 PM	7.70
1/13/2019 11:45 PM	7.63	1/14/2019 11:45 PM	7.61	1/15/2019 11:45 PM	7.69

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Date And Time	pH	Date And Time	pH	Date And Time	pH
1/16/2019 12:00 AM	7.68	1/17/2019 12:00 AM	7.70	1/18/2019 12:00 AM	7.60
1/16/2019 12:15 AM	7.68	1/17/2019 12:15 AM	7.69	1/18/2019 12:15 AM	7.61
1/16/2019 12:30 AM	7.68	1/17/2019 12:30 AM	7.69	1/18/2019 12:30 AM	7.61
1/16/2019 12:45 AM	7.67	1/17/2019 12:45 AM	7.68	1/18/2019 12:45 AM	7.60
1/16/2019 1:00 AM	7.67	1/17/2019 1:00 AM	7.67	1/18/2019 1:00 AM	7.62
1/16/2019 1:15 AM	7.67	1/17/2019 1:15 AM	7.67	1/18/2019 1:15 AM	7.69
1/16/2019 1:30 AM	7.67	1/17/2019 1:30 AM	7.67	1/18/2019 1:30 AM	7.71
1/16/2019 1:45 AM	7.67	1/17/2019 1:45 AM	7.68	1/18/2019 1:45 AM	7.69
1/16/2019 2:00 AM	7.67	1/17/2019 2:00 AM	7.68	1/18/2019 2:00 AM	7.68
1/16/2019 2:15 AM	7.67	1/17/2019 2:15 AM	7.66	1/18/2019 2:15 AM	7.66
1/16/2019 2:30 AM	7.67	1/17/2019 2:30 AM	7.67	1/18/2019 2:30 AM	7.66
1/16/2019 2:45 AM	7.67	1/17/2019 2:45 AM	7.67	1/18/2019 2:45 AM	7.65
1/16/2019 3:00 AM	7.67	1/17/2019 3:00 AM	7.67	1/18/2019 3:00 AM	7.66
1/16/2019 3:15 AM	7.67	1/17/2019 3:15 AM	7.66	1/18/2019 3:15 AM	7.66
1/16/2019 3:30 AM	7.67	1/17/2019 3:30 AM	7.66	1/18/2019 3:30 AM	7.66
1/16/2019 3:45 AM	7.67	1/17/2019 3:45 AM	7.66	1/18/2019 3:45 AM	7.66
1/16/2019 4:00 AM	7.67	1/17/2019 4:00 AM	7.66	1/18/2019 4:00 AM	7.65
1/16/2019 4:15 AM	7.67	1/17/2019 4:15 AM	7.66	1/18/2019 4:15 AM	7.65
1/16/2019 4:30 AM	7.67	1/17/2019 4:30 AM	7.65	1/18/2019 4:30 AM	7.65
1/16/2019 4:45 AM	7.67	1/17/2019 4:45 AM	7.65	1/18/2019 4:45 AM	7.64
1/16/2019 5:00 AM	7.66	1/17/2019 5:00 AM	7.65	1/18/2019 5:00 AM	7.64
1/16/2019 5:15 AM	7.60	1/17/2019 5:15 AM	7.64	1/18/2019 5:15 AM	7.64
1/16/2019 5:30 AM	7.61	1/17/2019 5:30 AM	7.64	1/18/2019 5:30 AM	7.64
1/16/2019 5:45 AM	7.63	1/17/2019 5:45 AM	7.65	1/18/2019 5:45 AM	7.63
1/16/2019 6:00 AM	7.62	1/17/2019 6:00 AM	7.64	1/18/2019 6:00 AM	7.63
1/16/2019 6:15 AM	7.62	1/17/2019 6:15 AM	7.63	1/18/2019 6:15 AM	7.63
1/16/2019 6:30 AM	7.61	1/17/2019 6:30 AM	7.63	1/18/2019 6:30 AM	7.63
1/16/2019 6:45 AM	7.61	1/17/2019 6:45 AM	7.63	1/18/2019 6:45 AM	7.63
1/16/2019 7:00 AM	7.61	1/17/2019 7:00 AM	7.63	1/18/2019 7:00 AM	7.63
1/16/2019 7:15 AM	7.61	1/17/2019 7:15 AM	7.64	1/18/2019 7:15 AM	7.62
1/16/2019 7:30 AM	7.62	1/17/2019 7:30 AM	7.70	1/18/2019 7:30 AM	7.62
1/16/2019 7:45 AM	7.61	1/17/2019 7:45 AM	7.72	1/18/2019 7:45 AM	7.62
1/16/2019 8:00 AM	7.62	1/17/2019 8:00 AM	7.72	1/18/2019 8:00 AM	7.62
1/16/2019 8:15 AM	7.60	1/17/2019 8:15 AM	7.71	1/18/2019 8:15 AM	7.62
1/16/2019 8:30 AM	7.70	1/17/2019 8:30 AM	7.70	1/18/2019 8:30 AM	7.62
1/16/2019 8:45 AM	7.73	1/17/2019 8:45 AM	7.69	1/18/2019 8:45 AM	7.62
1/16/2019 9:00 AM	7.73	1/17/2019 9:00 AM	7.69	1/18/2019 9:00 AM	7.62
1/16/2019 9:15 AM	7.72	1/17/2019 9:15 AM	7.68	1/18/2019 9:15 AM	7.63
1/16/2019 9:30 AM	7.70	1/17/2019 9:30 AM	7.68	1/18/2019 9:30 AM	7.63
1/16/2019 9:45 AM	7.69	1/17/2019 9:45 AM	7.68	1/18/2019 9:45 AM	7.63
1/16/2019 10:00 AM	7.68	1/17/2019 10:00 AM	7.68	1/18/2019 10:00 AM	7.64
1/16/2019 10:15 AM	7.68	1/17/2019 10:15 AM	7.65	1/18/2019 10:15 AM	7.64
1/16/2019 10:30 AM	7.69	1/17/2019 10:30 AM	7.63	1/18/2019 10:30 AM	7.63
1/16/2019 10:45 AM	7.68	1/17/2019 10:45 AM	7.63	1/18/2019 10:45 AM	7.63
1/16/2019 11:00 AM	7.69	1/17/2019 11:00 AM	7.62	1/18/2019 11:00 AM	7.63
1/16/2019 11:15 AM	7.70	1/17/2019 11:15 AM	7.62	1/18/2019 11:15 AM	7.63
1/16/2019 11:30 AM	7.71	1/17/2019 11:30 AM	7.62	1/18/2019 11:30 AM	7.63
1/16/2019 11:45 AM	7.72	1/17/2019 11:45 AM	7.62	1/18/2019 11:45 AM	7.64
1/16/2019 12:00 PM	7.71	1/17/2019 12:00 PM	7.61	1/18/2019 12:00 PM	7.62
1/16/2019 12:15 PM	7.69	1/17/2019 12:15 PM	7.61	1/18/2019 12:15 PM	7.65
1/16/2019 12:30 PM	7.69	1/17/2019 12:30 PM	7.61	1/18/2019 12:30 PM	7.64
1/16/2019 12:45 PM	7.70	1/17/2019 12:45 PM	7.61	1/18/2019 12:45 PM	7.62
1/16/2019 1:00 PM	7.71	1/17/2019 1:00 PM	7.61	1/18/2019 1:00 PM	7.62
1/16/2019 1:15 PM	7.70	1/17/2019 1:15 PM	7.64	1/18/2019 1:15 PM	7.62
1/16/2019 1:30 PM	7.67	1/17/2019 1:30 PM	7.70	1/18/2019 1:30 PM	7.64
1/16/2019 1:45 PM	7.65	1/17/2019 1:45 PM	7.70	1/18/2019 1:45 PM	7.67
1/16/2019 2:00 PM	7.65	1/17/2019 2:00 PM	7.70	1/18/2019 2:00 PM	7.63
1/16/2019 2:15 PM	7.64	1/17/2019 2:15 PM	7.69	1/18/2019 2:15 PM	7.62
1/16/2019 2:30 PM	7.64	1/17/2019 2:30 PM	7.68	1/18/2019 2:30 PM	7.62
1/16/2019 2:45 PM	7.67	1/17/2019 2:45 PM	7.63	1/18/2019 2:45 PM	7.62
1/16/2019 3:00 PM	7.70	1/17/2019 3:00 PM	7.62	1/18/2019 3:00 PM	7.64
1/16/2019 3:15 PM	7.71	1/17/2019 3:15 PM	7.61	1/18/2019 3:15 PM	7.66
1/16/2019 3:30 PM	7.70	1/17/2019 3:30 PM	7.62	1/18/2019 3:30 PM	7.66
1/16/2019 3:45 PM	7.70	1/17/2019 3:45 PM	7.62	1/18/2019 3:45 PM	7.65
1/16/2019 4:00 PM	7.69	1/17/2019 4:00 PM	7.61	1/18/2019 4:00 PM	7.64
1/16/2019 4:15 PM	7.64	1/17/2019 4:15 PM	7.67	1/18/2019 4:15 PM	7.64
1/16/2019 4:30 PM	7.63	1/17/2019 4:30 PM	7.71	1/18/2019 4:30 PM	7.63
1/16/2019 4:45 PM	7.63	1/17/2019 4:45 PM	7.71	1/18/2019 4:45 PM	7.62
1/16/2019 5:00 PM	7.62	1/17/2019 5:00 PM	7.69	1/18/2019 5:00 PM	7.62
1/16/2019 5:15 PM	7.62	1/17/2019 5:15 PM	7.67	1/18/2019 5:15 PM	7.62
1/16/2019 5:30 PM	7.62	1/17/2019 5:30 PM	7.67	1/18/2019 5:30 PM	7.60
1/16/2019 5:45 PM	7.63	1/17/2019 5:45 PM	7.66	1/18/2019 5:45 PM	7.59
1/16/2019 6:00 PM	7.62	1/17/2019 6:00 PM	7.66	1/18/2019 6:00 PM	7.59
1/16/2019 6:15 PM	7.62	1/17/2019 6:15 PM	7.65	1/18/2019 6:15 PM	7.59
1/16/2019 6:30 PM	7.62	1/17/2019 6:30 PM	7.65	1/18/2019 6:30 PM	7.59
1/16/2019 6:45 PM	7.62	1/17/2019 6:45 PM	7.65	1/18/2019 6:45 PM	7.58
1/16/2019 7:00 PM	7.65	1/17/2019 7:00 PM	7.65	1/18/2019 7:00 PM	7.59
1/16/2019 7:15 PM	7.69	1/17/2019 7:15 PM	7.62	1/18/2019 7:15 PM	7.59
1/16/2019 7:30 PM	7.70	1/17/2019 7:30 PM	7.62	1/18/2019 7:30 PM	7.61
1/16/2019 7:45 PM	7.71	1/17/2019 7:45 PM	7.61	1/18/2019 7:45 PM	7.64
1/16/2019 8:00 PM	7.70	1/17/2019 8:00 PM	7.61	1/18/2019 8:00 PM	7.65
1/16/2019 8:15 PM	7.70	1/17/2019 8:15 PM	7.61	1/18/2019 8:15 PM	7.65
1/16/2019 8:30 PM	7.69	1/17/2019 8:30 PM	7.61	1/18/2019 8:30 PM	7.61
1/16/2019 8:45 PM	7.64	1/17/2019 8:45 PM	7.65	1/18/2019 8:45 PM	7.59
1/16/2019 9:00 PM	7.63	1/17/2019 9:00 PM	7.70	1/18/2019 9:00 PM	7.59
1/16/2019 9:15 PM	7.63	1/17/2019 9:15 PM	7.71	1/18/2019 9:15 PM	7.59
1/16/2019 9:30 PM	7.62	1/17/2019 9:30 PM	7.71	1/18/2019 9:30 PM	7.59
1/16/2019 9:45 PM	7.62	1/17/2019 9:45 PM	7.68	1/18/2019 9:45 PM	7.58
1/16/2019 10:00 PM	7.62	1/17/2019 10:00 PM	7.67	1/18/2019 10:00 PM	7.58
1/16/2019 10:15 PM	7.62	1/17/2019 10:15 PM	7.66	1/18/2019 10:15 PM	7.59
1/16/2019 10:30 PM	7.63	1/17/2019 10:30 PM	7.65	1/18/2019 10:30 PM	7.63
1/16/2019 10:45 PM	7.68	1/17/2019 10:45 PM	7.65	1/18/2019 10:45 PM	7.66
1/16/2019 11:00 PM	7.71	1/17/2019 11:00 PM	7.65	1/18/2019 11:00 PM	7.66
1/16/2019 11:15 PM	7.71	1/17/2019 11:15 PM	7.64	1/18/2019 11:15 PM	7.67
1/16/2019 11:30 PM	7.72	1/17/2019 11:30 PM	7.64	1/18/2019 11:30 PM	7.67
1/16/2019 11:45 PM	7.72	1/17/2019 11:45 PM	7.61	1/18/2019 11:45 PM	7.66

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Date And Time	pH	Date And Time	pH	Date And Time	pH
1/19/2019 12:00 AM	7.66	1/20/2019 12:00 AM	7.58	1/21/2019 12:00 AM	7.86
1/19/2019 12:15 AM	7.65	1/20/2019 12:15 AM	7.57	1/21/2019 12:15 AM	7.86
1/19/2019 12:30 AM	7.65	1/20/2019 12:30 AM	7.59	1/21/2019 12:30 AM	7.85
1/19/2019 12:45 AM	7.64	1/20/2019 12:45 AM	7.58	1/21/2019 12:45 AM	7.86
1/19/2019 1:00 AM	7.62	1/20/2019 1:00 AM	7.57	1/21/2019 1:00 AM	7.86
1/19/2019 1:15 AM	7.61	1/20/2019 1:15 AM	7.58	1/21/2019 1:15 AM	7.86
1/19/2019 1:30 AM	7.60	1/20/2019 1:30 AM	7.57	1/21/2019 1:30 AM	7.86
1/19/2019 1:45 AM	7.60	1/20/2019 1:45 AM	7.58	1/21/2019 1:45 AM	7.86
1/19/2019 2:00 AM	7.59	1/20/2019 2:00 AM	7.58	1/21/2019 2:00 AM	7.85
1/19/2019 2:15 AM	7.59	1/20/2019 2:15 AM	7.68	1/21/2019 2:15 AM	7.85
1/19/2019 2:30 AM	7.59	1/20/2019 2:30 AM	7.70	1/21/2019 2:30 AM	7.52
1/19/2019 2:45 AM	7.59	1/20/2019 2:45 AM	7.70	1/21/2019 2:45 AM	7.64
1/19/2019 3:00 AM	7.63	1/20/2019 3:00 AM	7.68	1/21/2019 3:00 AM	7.69
1/19/2019 3:15 AM	7.67	1/20/2019 3:15 AM	7.66	1/21/2019 3:15 AM	7.71
1/19/2019 3:30 AM	7.67	1/20/2019 3:30 AM	7.66	1/21/2019 3:30 AM	7.75
1/19/2019 3:45 AM	7.67	1/20/2019 3:45 AM	7.65	1/21/2019 3:45 AM	7.75
1/19/2019 4:00 AM	7.66	1/20/2019 4:00 AM	7.66	1/21/2019 4:00 AM	7.77
1/19/2019 4:15 AM	7.66	1/20/2019 4:15 AM	7.65	1/21/2019 4:15 AM	7.77
1/19/2019 4:30 AM	7.64	1/20/2019 4:30 AM	7.66	1/21/2019 4:30 AM	7.75
1/19/2019 4:45 AM	7.63	1/20/2019 4:45 AM	7.66	1/21/2019 4:45 AM	7.75
1/19/2019 5:00 AM	7.63	1/20/2019 5:00 AM	7.66	1/21/2019 5:00 AM	7.76
1/19/2019 5:15 AM	7.63	1/20/2019 5:15 AM	7.66	1/21/2019 5:15 AM	7.75
1/19/2019 5:30 AM	7.60	1/20/2019 5:30 AM	7.65	1/21/2019 5:30 AM	7.75
1/19/2019 5:45 AM	7.60	1/20/2019 5:45 AM	7.64	1/21/2019 5:45 AM	7.78
1/19/2019 6:00 AM	7.59	1/20/2019 6:00 AM	7.64	1/21/2019 6:00 AM	7.88
1/19/2019 6:15 AM	7.59	1/20/2019 6:15 AM	7.64	1/21/2019 6:15 AM	7.87
1/19/2019 6:30 AM	7.59	1/20/2019 6:30 AM	7.64	1/21/2019 6:30 AM	7.87
1/19/2019 6:45 AM	7.59	1/20/2019 6:45 AM	7.64	1/21/2019 6:45 AM	7.87
1/19/2019 7:00 AM	7.59	1/20/2019 7:00 AM	7.65	1/21/2019 7:00 AM	7.87
1/19/2019 7:15 AM	7.59	1/20/2019 7:15 AM	7.65	1/21/2019 7:15 AM	7.87
1/19/2019 7:30 AM	7.65	1/20/2019 7:30 AM	7.64	1/21/2019 7:30 AM	7.88
1/19/2019 7:45 AM	7.68	1/20/2019 7:45 AM	7.64	1/21/2019 7:45 AM	7.88
1/19/2019 8:00 AM	7.68	1/20/2019 8:00 AM	7.66	1/21/2019 8:00 AM	7.88
1/19/2019 8:15 AM	7.67	1/20/2019 8:15 AM	7.66	1/21/2019 8:15 AM	7.92
1/19/2019 8:30 AM	7.66	1/20/2019 8:30 AM	7.65	1/21/2019 8:30 AM	7.92
1/19/2019 8:45 AM	7.65	1/20/2019 8:45 AM	7.65	1/21/2019 8:45 AM	7.93
1/19/2019 9:00 AM	7.64	1/20/2019 9:00 AM	7.65	1/21/2019 9:00 AM	7.66
1/19/2019 9:15 AM	7.63	1/20/2019 9:15 AM	7.64	1/21/2019 9:15 AM	7.75
1/19/2019 9:30 AM	7.63	1/20/2019 9:30 AM	7.63	1/21/2019 9:30 AM	7.80
1/19/2019 9:45 AM	7.63	1/20/2019 9:45 AM	7.63	1/21/2019 9:45 AM	7.80
1/19/2019 10:00 AM	7.62	1/20/2019 10:00 AM	7.59	1/21/2019 10:00 AM	7.80
1/19/2019 10:15 AM	7.62	1/20/2019 10:15 AM	7.59	1/21/2019 10:15 AM	7.82
1/19/2019 10:30 AM	7.62	1/20/2019 10:30 AM	7.59	1/21/2019 10:30 AM	7.82
1/19/2019 10:45 AM	7.62	1/20/2019 10:45 AM	7.59	1/21/2019 10:45 AM	7.82
1/19/2019 11:00 AM	7.62	1/20/2019 11:00 AM	7.59	1/21/2019 11:00 AM	7.84
1/19/2019 11:15 AM	7.61	1/20/2019 11:15 AM	7.59	1/21/2019 11:15 AM	7.82
1/19/2019 11:30 AM	7.61	1/20/2019 11:30 AM	7.58	1/21/2019 11:30 AM	7.82
1/19/2019 11:45 AM	7.61	1/20/2019 11:45 AM	7.61	1/21/2019 11:45 AM	7.81
1/19/2019 12:00 PM	7.61	1/20/2019 12:00 PM	7.69	1/21/2019 12:00 PM	7.81
1/19/2019 12:15 PM	7.61	1/20/2019 12:15 PM	7.68	1/21/2019 12:15 PM	7.89
1/19/2019 12:30 PM	7.61	1/20/2019 12:30 PM	7.68	1/21/2019 12:30 PM	7.92
1/19/2019 12:45 PM	7.61	1/20/2019 12:45 PM	7.66	1/21/2019 12:45 PM	7.91
1/19/2019 1:00 PM	7.61	1/20/2019 1:00 PM	7.66	1/21/2019 1:00 PM	7.91
1/19/2019 1:15 PM	7.61	1/20/2019 1:15 PM	7.66	1/21/2019 1:15 PM	7.90
1/19/2019 1:30 PM	7.61	1/20/2019 1:30 PM	7.66	1/21/2019 1:30 PM	7.80
1/19/2019 1:45 PM	7.60	1/20/2019 1:45 PM	7.66	1/21/2019 1:45 PM	7.81
1/19/2019 2:00 PM	7.60	1/20/2019 2:00 PM	7.65	1/21/2019 2:00 PM	7.82
1/19/2019 2:15 PM	7.60	1/20/2019 2:15 PM	7.66	1/21/2019 2:15 PM	7.81
1/19/2019 2:30 PM	7.59	1/20/2019 2:30 PM	7.66	1/21/2019 2:30 PM	7.82
1/19/2019 2:45 PM	7.58	1/20/2019 2:45 PM	7.67	1/21/2019 2:45 PM	7.80
1/19/2019 3:00 PM	7.58	1/20/2019 3:00 PM	7.67	1/21/2019 3:00 PM	7.82
1/19/2019 3:15 PM	7.59	1/20/2019 3:15 PM	7.67	1/21/2019 3:15 PM	7.81
1/19/2019 3:30 PM	7.58	1/20/2019 3:30 PM	7.68	1/21/2019 3:30 PM	7.81
1/19/2019 3:45 PM	7.58	1/20/2019 3:45 PM	7.68	1/21/2019 3:45 PM	7.79
1/19/2019 4:00 PM	7.58	1/20/2019 4:00 PM	7.69	1/21/2019 4:00 PM	7.80
1/19/2019 4:15 PM	7.57	1/20/2019 4:15 PM	7.70	1/21/2019 4:15 PM	7.80
1/19/2019 4:30 PM	7.66	1/20/2019 4:30 PM	7.70	1/21/2019 4:30 PM	7.79
1/19/2019 4:45 PM	7.68	1/20/2019 4:45 PM	7.70	1/21/2019 4:45 PM	7.90
1/19/2019 5:00 PM	7.67	1/20/2019 5:00 PM	7.71	1/21/2019 5:00 PM	7.91
1/19/2019 5:15 PM	7.66	1/20/2019 5:15 PM	7.71	1/21/2019 5:15 PM	7.90
1/19/2019 5:30 PM	7.65	1/20/2019 5:30 PM	7.54	1/21/2019 5:30 PM	7.90
1/19/2019 5:45 PM	7.64	1/20/2019 5:45 PM	7.58	1/21/2019 5:45 PM	7.90
1/19/2019 6:00 PM	7.64	1/20/2019 6:00 PM	7.60	1/21/2019 6:00 PM	7.76
1/19/2019 6:15 PM	7.63	1/20/2019 6:15 PM	7.60	1/21/2019 6:15 PM	7.80
1/19/2019 6:30 PM	7.63	1/20/2019 6:30 PM	7.61	1/21/2019 6:30 PM	7.81
1/19/2019 6:45 PM	7.63	1/20/2019 6:45 PM	7.62	1/21/2019 6:45 PM	7.80
1/19/2019 7:00 PM	7.63	1/20/2019 7:00 PM	7.61	1/21/2019 7:00 PM	7.81
1/19/2019 7:15 PM	7.63	1/20/2019 7:15 PM	7.62	1/21/2019 7:15 PM	7.80
1/19/2019 7:30 PM	7.63	1/20/2019 7:30 PM	7.62	1/21/2019 7:30 PM	7.80
1/19/2019 7:45 PM	7.63	1/20/2019 7:45 PM	7.60	1/21/2019 7:45 PM	7.78
1/19/2019 8:00 PM	7.62	1/20/2019 8:00 PM	7.63	1/21/2019 8:00 PM	7.81
1/19/2019 8:15 PM	7.63	1/20/2019 8:15 PM	7.63	1/21/2019 8:15 PM	7.81
1/19/2019 8:30 PM	7.62	1/20/2019 8:30 PM	7.62	1/21/2019 8:30 PM	7.80
1/19/2019 8:45 PM	7.62	1/20/2019 8:45 PM	7.60	1/21/2019 8:45 PM	7.81
1/19/2019 9:00 PM	7.62	1/20/2019 9:00 PM	7.76	1/21/2019 9:00 PM	7.81
1/19/2019 9:15 PM	7.62	1/20/2019 9:15 PM	7.75	1/21/2019 9:15 PM	7.80
1/19/2019 9:30 PM	7.62	1/20/2019 9:30 PM	7.74	1/21/2019 9:30 PM	7.91
1/19/2019 9:45 PM	7.62	1/20/2019 9:45 PM	7.74	1/21/2019 9:45 PM	7.92
1/19/2019 10:00 PM	7.62	1/20/2019 10:00 PM	7.75	1/21/2019 10:00 PM	7.90
1/19/2019 10:15 PM	7.62	1/20/2019 10:15 PM	7.75	1/21/2019 10:15 PM	7.90
1/19/2019 10:30 PM	7.62	1/20/2019 10:30 PM	7.76	1/21/2019 10:30 PM	7.81
1/19/2019 10:45 PM	7.62	1/20/2019 10:45 PM	7.77	1/21/2019 10:45 PM	7.81
1/19/2019 11:00 PM	7.61	1/20/2019 11:00 PM	7.77	1/21/2019 11:00 PM	7.82
1/19/2019 11:15 PM	7.61	1/20/2019 11:15 PM	7.82	1/21/2019 11:15 PM	7.82
1/19/2019 11:30 PM	7.66	1/20/2019 11:30 PM	7.84	1/21/2019 11:30 PM	7.81
1/19/2019 11:45 PM	7.58	1/20/2019 11:45 PM	7.85	1/21/2019 11:45 PM	7.80

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7.62

AVG

7.66

AVG

7.82

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/22/2019 12:00 AM	7.91	1/23/2019 12:00 AM	7.88	1/24/2019 12:00 AM	7.80
1/22/2019 12:15 AM	7.92	1/23/2019 12:15 AM	7.88	1/24/2019 12:15 AM	7.80
1/22/2019 12:30 AM	7.91	1/23/2019 12:30 AM	7.87	1/24/2019 12:30 AM	7.79
1/22/2019 12:45 AM	7.89	1/23/2019 12:45 AM	7.82	1/24/2019 12:45 AM	7.82
1/22/2019 1:00 AM	7.89	1/23/2019 1:00 AM	7.81	1/24/2019 1:00 AM	7.86
1/22/2019 1:15 AM	7.88	1/23/2019 1:15 AM	7.82	1/24/2019 1:15 AM	7.87
1/22/2019 1:30 AM	7.89	1/23/2019 1:30 AM	7.81	1/24/2019 1:30 AM	7.88
1/22/2019 1:45 AM	7.89	1/23/2019 1:45 AM	7.82	1/24/2019 1:45 AM	7.88
1/22/2019 2:00 AM	7.89	1/23/2019 2:00 AM	7.82	1/24/2019 2:00 AM	7.87
1/22/2019 2:15 AM	7.89	1/23/2019 2:15 AM	7.85	1/24/2019 2:15 AM	7.85
1/22/2019 2:30 AM	7.89	1/23/2019 2:30 AM	7.91	1/24/2019 2:30 AM	7.84
1/22/2019 2:45 AM	7.89	1/23/2019 2:45 AM	7.92	1/24/2019 2:45 AM	7.84
1/22/2019 3:00 AM	7.89	1/23/2019 3:00 AM	7.92	1/24/2019 3:00 AM	7.83
1/22/2019 3:15 AM	7.89	1/23/2019 3:15 AM	7.91	1/24/2019 3:15 AM	7.83
1/22/2019 3:30 AM	7.89	1/23/2019 3:30 AM	7.90	1/24/2019 3:30 AM	7.83
1/22/2019 3:45 AM	7.90	1/23/2019 3:45 AM	7.89	1/24/2019 3:45 AM	7.83
1/22/2019 4:00 AM	7.90	1/23/2019 4:00 AM	7.88	1/24/2019 4:00 AM	7.84
1/22/2019 4:15 AM	7.90	1/23/2019 4:15 AM	7.88	1/24/2019 4:15 AM	7.85
1/22/2019 4:30 AM	7.80	1/23/2019 4:30 AM	7.88	1/24/2019 4:30 AM	7.84
1/22/2019 4:45 AM	7.81	1/23/2019 4:45 AM	7.87	1/24/2019 4:45 AM	7.84
1/22/2019 5:00 AM	7.83	1/23/2019 5:00 AM	7.87	1/24/2019 5:00 AM	7.85
1/22/2019 5:15 AM	7.82	1/23/2019 5:15 AM	7.82	1/24/2019 5:15 AM	7.80
1/22/2019 5:30 AM	7.83	1/23/2019 5:30 AM	7.81	1/24/2019 5:30 AM	7.79
1/22/2019 5:45 AM	7.82	1/23/2019 5:45 AM	7.81	1/24/2019 5:45 AM	7.84
1/22/2019 6:00 AM	7.82	1/23/2019 6:00 AM	7.81	1/24/2019 6:00 AM	7.86
1/22/2019 6:15 AM	7.82	1/23/2019 6:15 AM	7.81	1/24/2019 6:15 AM	7.87
1/22/2019 6:30 AM	7.92	1/23/2019 6:30 AM	7.82	1/24/2019 6:30 AM	7.87
1/22/2019 6:45 AM	7.94	1/23/2019 6:45 AM	7.82	1/24/2019 6:45 AM	7.87
1/22/2019 7:00 AM	7.94	1/23/2019 7:00 AM	7.87	1/24/2019 7:00 AM	7.86
1/22/2019 7:15 AM	7.92	1/23/2019 7:15 AM	7.91	1/24/2019 7:15 AM	7.86
1/22/2019 7:30 AM	7.91	1/23/2019 7:30 AM	7.92	1/24/2019 7:30 AM	7.85
1/22/2019 7:45 AM	7.91	1/23/2019 7:45 AM	7.92	1/24/2019 7:45 AM	7.84
1/22/2019 8:00 AM	7.91	1/23/2019 8:00 AM	7.92	1/24/2019 8:00 AM	7.84
1/22/2019 8:15 AM	7.90	1/23/2019 8:15 AM	7.91	1/24/2019 8:15 AM	7.81
1/22/2019 8:30 AM	7.90	1/23/2019 8:30 AM	7.91	1/24/2019 8:30 AM	7.79
1/22/2019 8:45 AM	7.89	1/23/2019 8:45 AM	7.91	1/24/2019 8:45 AM	7.79
1/22/2019 9:00 AM	7.88	1/23/2019 9:00 AM	7.90	1/24/2019 9:00 AM	7.78
1/22/2019 9:15 AM	7.88	1/23/2019 9:15 AM	7.89	1/24/2019 9:15 AM	7.78
1/22/2019 9:30 AM	7.87	1/23/2019 9:30 AM	7.89	1/24/2019 9:30 AM	7.78
1/22/2019 9:45 AM	7.87	1/23/2019 9:45 AM	7.84	1/24/2019 9:45 AM	7.78
1/22/2019 10:00 AM	7.87	1/23/2019 10:00 AM	7.83	1/24/2019 10:00 AM	7.81
1/22/2019 10:15 AM	7.87	1/23/2019 10:15 AM	7.82	1/24/2019 10:15 AM	7.85
1/22/2019 10:30 AM	7.87	1/23/2019 10:30 AM	7.81	1/24/2019 10:30 AM	7.86
1/22/2019 10:45 AM	7.87	1/23/2019 10:45 AM	7.81	1/24/2019 10:45 AM	7.86
1/22/2019 11:00 AM	7.86	1/23/2019 11:00 AM	7.81	1/24/2019 11:00 AM	7.86
1/22/2019 11:15 AM	7.77	1/23/2019 11:15 AM	7.80	1/24/2019 11:15 AM	7.85
1/22/2019 11:30 AM	7.80	1/23/2019 11:30 AM	7.86	1/24/2019 11:30 AM	7.84
1/22/2019 11:45 AM	7.80	1/23/2019 11:45 AM	7.89	1/24/2019 11:45 AM	7.84
1/22/2019 12:00 PM	7.79	1/23/2019 12:00 PM	7.90	1/24/2019 12:00 PM	7.83
1/22/2019 12:15 PM	7.79	1/23/2019 12:15 PM	7.91	1/24/2019 12:15 PM	7.83
1/22/2019 12:30 PM	7.79	1/23/2019 12:30 PM	7.91	1/24/2019 12:30 PM	7.83
1/22/2019 12:45 PM	7.79	1/23/2019 12:45 PM	7.91	1/24/2019 12:45 PM	7.78
1/22/2019 1:00 PM	7.79	1/23/2019 1:00 PM	7.90	1/24/2019 1:00 PM	7.78
1/22/2019 1:15 PM	7.79	1/23/2019 1:15 PM	7.90	1/24/2019 1:15 PM	7.78
1/22/2019 1:30 PM	7.79	1/23/2019 1:30 PM	7.89	1/24/2019 1:30 PM	7.78
1/22/2019 1:45 PM	7.81	1/23/2019 1:45 PM	7.88	1/24/2019 1:45 PM	7.78
1/22/2019 2:00 PM	7.80	1/23/2019 2:00 PM	7.86	1/24/2019 2:00 PM	7.78
1/22/2019 2:15 PM	7.90	1/23/2019 2:15 PM	7.85	1/24/2019 2:15 PM	7.76
1/22/2019 2:30 PM	7.92	1/23/2019 2:30 PM	7.83	1/24/2019 2:30 PM	7.83
1/22/2019 2:45 PM	7.93	1/23/2019 2:45 PM	7.82	1/24/2019 2:45 PM	7.86
1/22/2019 3:00 PM	7.93	1/23/2019 3:00 PM	7.81	1/24/2019 3:00 PM	7.86
1/22/2019 3:15 PM	7.93	1/23/2019 3:15 PM	7.81	1/24/2019 3:15 PM	7.85
1/22/2019 3:30 PM	7.91	1/23/2019 3:30 PM	7.82	1/24/2019 3:30 PM	7.85
1/22/2019 3:45 PM	7.84	1/23/2019 3:45 PM	7.84	1/24/2019 3:45 PM	7.84
1/22/2019 4:00 PM	7.83	1/23/2019 4:00 PM	7.87	1/24/2019 4:00 PM	7.84
1/22/2019 4:15 PM	7.83	1/23/2019 4:15 PM	7.88	1/24/2019 4:15 PM	7.84
1/22/2019 4:30 PM	7.83	1/23/2019 4:30 PM	7.89	1/24/2019 4:30 PM	7.84
1/22/2019 4:45 PM	7.82	1/23/2019 4:45 PM	7.88	1/24/2019 4:45 PM	7.84
1/22/2019 5:00 PM	7.82	1/23/2019 5:00 PM	7.88	1/24/2019 5:00 PM	7.84
1/22/2019 5:15 PM	7.82	1/23/2019 5:15 PM	7.87	1/24/2019 5:15 PM	7.77
1/22/2019 5:30 PM	7.82	1/23/2019 5:30 PM	7.85	1/24/2019 5:30 PM	7.78
1/22/2019 5:45 PM	7.88	1/23/2019 5:45 PM	7.85	1/24/2019 5:45 PM	7.77
1/22/2019 6:00 PM	7.92	1/23/2019 6:00 PM	7.84	1/24/2019 6:00 PM	7.77
1/22/2019 6:15 PM	7.92	1/23/2019 6:15 PM	7.84	1/24/2019 6:15 PM	7.77
1/22/2019 6:30 PM	7.92	1/23/2019 6:30 PM	7.84	1/24/2019 6:30 PM	7.78
1/22/2019 6:45 PM	7.91	1/23/2019 6:45 PM	7.81	1/24/2019 6:45 PM	7.78
1/22/2019 7:00 PM	7.89	1/23/2019 7:00 PM	7.80	1/24/2019 7:00 PM	7.86
1/22/2019 7:15 PM	7.89	1/23/2019 7:15 PM	7.80	1/24/2019 7:15 PM	7.88
1/22/2019 7:30 PM	7.88	1/23/2019 7:30 PM	7.80	1/24/2019 7:30 PM	7.88
1/22/2019 7:45 PM	7.88	1/23/2019 7:45 PM	7.79	1/24/2019 7:45 PM	7.87
1/22/2019 8:00 PM	7.87	1/23/2019 8:00 PM	7.79	1/24/2019 8:00 PM	7.86
1/22/2019 8:15 PM	7.83	1/23/2019 8:15 PM	7.80	1/24/2019 8:15 PM	7.85
1/22/2019 8:30 PM	7.81	1/23/2019 8:30 PM	7.85	1/24/2019 8:30 PM	7.85
1/22/2019 8:45 PM	7.82	1/23/2019 8:45 PM	7.87	1/24/2019 8:45 PM	7.85
1/22/2019 9:00 PM	7.81	1/23/2019 9:00 PM	7.88	1/24/2019 9:00 PM	7.84
1/22/2019 9:15 PM	7.82	1/23/2019 9:15 PM	7.88	1/24/2019 9:15 PM	7.84
1/22/2019 9:30 PM	7.82	1/23/2019 9:30 PM	7.88	1/24/2019 9:30 PM	7.84
1/22/2019 9:45 PM	7.82	1/23/2019 9:45 PM	7.88	1/24/2019 9:45 PM	7.84
1/22/2019 10:00 PM	7.84	1/23/2019 10:00 PM	7.87	1/24/2019 10:00 PM	7.84
1/22/2019 10:15 PM	7.90	1/23/2019 10:15 PM	7.87	1/24/2019 10:15 PM	7.84
1/22/2019 10:30 PM	7.93	1/23/2019 10:30 PM	7.87	1/24/2019 10:30 PM	7.84
1/22/2019 10:45 PM	7.92	1/23/2019 10:45 PM	7.86	1/24/2019 10:45 PM	7.84
1/22/2019 11:00 PM	7.90	1/23/2019 11:00 PM	7.86	1/24/2019 11:00 PM	7.84
1/22/2019 11:15 PM	7.90	1/23/2019 11:15 PM	7.83	1/24/2019 11:15 PM	7.84
1/22/2019 11:30 PM	7.89	1/23/2019 11:30 PM	7.81	1/24/2019 11:30 PM	7.84
1/22/2019 11:45 PM	7.88	1/23/2019 11:45 PM	7.80	1/24/2019 11:45 PM	7.84

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7.83

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/25/2019 12:00 AM	7.84	1/26/2019 12:00 AM	7.76	1/27/2019 12:00 AM	7.80
1/25/2019 12:15 AM	7.84	1/26/2019 12:15 AM	7.76	1/27/2019 12:15 AM	7.80
1/25/2019 12:30 AM	7.84	1/26/2019 12:30 AM	7.76	1/27/2019 12:30 AM	7.79
1/25/2019 12:45 AM	7.84	1/26/2019 12:45 AM	7.75	1/27/2019 12:45 AM	7.80
1/25/2019 1:00 AM	7.84	1/26/2019 1:00 AM	7.75	1/27/2019 1:00 AM	7.74
1/25/2019 1:15 AM	7.84	1/26/2019 1:15 AM	7.76	1/27/2019 1:15 AM	7.74
1/25/2019 1:30 AM	7.83	1/26/2019 1:30 AM	7.75	1/27/2019 1:30 AM	7.74
1/25/2019 1:45 AM	7.83	1/26/2019 1:45 AM	7.82	1/27/2019 1:45 AM	7.73
1/25/2019 2:00 AM	7.84	1/26/2019 2:00 AM	7.86	1/27/2019 2:00 AM	7.74
1/25/2019 2:15 AM	7.78	1/26/2019 2:15 AM	7.86	1/27/2019 2:15 AM	7.73
1/25/2019 2:30 AM	7.79	1/26/2019 2:30 AM	7.86	1/27/2019 2:30 AM	7.74
1/25/2019 2:45 AM	7.78	1/26/2019 2:45 AM	7.85	1/27/2019 2:45 AM	7.73
1/25/2019 3:00 AM	7.78	1/26/2019 3:00 AM	7.84	1/27/2019 3:00 AM	7.80
1/25/2019 3:15 AM	7.78	1/26/2019 3:15 AM	7.76	1/27/2019 3:15 AM	7.82
1/25/2019 3:30 AM	7.78	1/26/2019 3:30 AM	7.77	1/27/2019 3:30 AM	7.82
1/25/2019 3:45 AM	7.82	1/26/2019 3:45 AM	7.76	1/27/2019 3:45 AM	7.82
1/25/2019 4:00 AM	7.87	1/26/2019 4:00 AM	7.77	1/27/2019 4:00 AM	7.81
1/25/2019 4:15 AM	7.88	1/26/2019 4:15 AM	7.76	1/27/2019 4:15 AM	7.81
1/25/2019 4:30 AM	7.88	1/26/2019 4:30 AM	7.77	1/27/2019 4:30 AM	7.80
1/25/2019 4:45 AM	7.87	1/26/2019 4:45 AM	7.82	1/27/2019 4:45 AM	7.80
1/25/2019 5:00 AM	7.86	1/26/2019 5:00 AM	7.87	1/27/2019 5:00 AM	7.79
1/25/2019 5:15 AM	7.85	1/26/2019 5:15 AM	7.87	1/27/2019 5:15 AM	7.79
1/25/2019 5:30 AM	7.85	1/26/2019 5:30 AM	7.86	1/27/2019 5:30 AM	7.75
1/25/2019 5:45 AM	7.84	1/26/2019 5:45 AM	7.85	1/27/2019 5:45 AM	7.74
1/25/2019 6:00 AM	7.84	1/26/2019 6:00 AM	7.84	1/27/2019 6:00 AM	7.74
1/25/2019 6:15 AM	7.84	1/26/2019 6:15 AM	7.84	1/27/2019 6:15 AM	7.74
1/25/2019 6:30 AM	7.84	1/26/2019 6:30 AM	7.84	1/27/2019 6:30 AM	7.74
1/25/2019 6:45 AM	7.83	1/26/2019 6:45 AM	7.84	1/27/2019 6:45 AM	7.73
1/25/2019 7:00 AM	7.83	1/26/2019 7:00 AM	7.84	1/27/2019 7:00 AM	7.74
1/25/2019 7:15 AM	7.83	1/26/2019 7:15 AM	7.84	1/27/2019 7:15 AM	7.81
1/25/2019 7:30 AM	7.81	1/26/2019 7:30 AM	7.84	1/27/2019 7:30 AM	7.84
1/25/2019 7:45 AM	7.75	1/26/2019 7:45 AM	7.83	1/27/2019 7:45 AM	7.84
1/25/2019 8:00 AM	7.77	1/26/2019 8:00 AM	7.83	1/27/2019 8:00 AM	7.84
1/25/2019 8:15 AM	7.80	1/26/2019 8:15 AM	7.83	1/27/2019 8:15 AM	7.83
1/25/2019 8:30 AM	7.76	1/26/2019 8:30 AM	7.83	1/27/2019 8:30 AM	7.82
1/25/2019 8:45 AM	7.76	1/26/2019 8:45 AM	7.83	1/27/2019 8:45 AM	7.82
1/25/2019 9:00 AM	7.76	1/26/2019 9:00 AM	7.83	1/27/2019 9:00 AM	7.82
1/25/2019 9:15 AM	7.76	1/26/2019 9:15 AM	7.82	1/27/2019 9:15 AM	7.80
1/25/2019 9:30 AM	7.75	1/26/2019 9:30 AM	7.82	1/27/2019 9:30 AM	7.80
1/25/2019 9:45 AM	7.75	1/26/2019 9:45 AM	7.82	1/27/2019 9:45 AM	7.81
1/25/2019 10:00 AM	7.76	1/26/2019 10:00 AM	7.82	1/27/2019 10:00 AM	7.82
1/25/2019 10:15 AM	7.82	1/26/2019 10:15 AM	7.82	1/27/2019 10:15 AM	7.83
1/25/2019 10:30 AM	7.86	1/26/2019 10:30 AM	7.82	1/27/2019 10:30 AM	7.83
1/25/2019 10:45 AM	7.87	1/26/2019 10:45 AM	7.82	1/27/2019 10:45 AM	7.83
1/25/2019 11:00 AM	7.87	1/26/2019 11:00 AM	7.82	1/27/2019 11:00 AM	7.83
1/25/2019 11:15 AM	7.78	1/26/2019 11:15 AM	7.82	1/27/2019 11:15 AM	7.83
1/25/2019 11:30 AM	7.78	1/26/2019 11:30 AM	7.82	1/27/2019 11:30 AM	7.83
1/25/2019 11:45 AM	7.77	1/26/2019 11:45 AM	7.82	1/27/2019 11:45 AM	7.84
1/25/2019 12:00 PM	7.77	1/26/2019 12:00 PM	7.83	1/27/2019 12:00 PM	7.84
1/25/2019 12:15 PM	7.76	1/26/2019 12:15 PM	7.83	1/27/2019 12:15 PM	7.83
1/25/2019 12:30 PM	7.77	1/26/2019 12:30 PM	7.76	1/27/2019 12:30 PM	7.81
1/25/2019 12:45 PM	7.82	1/26/2019 12:45 PM	7.73	1/27/2019 12:45 PM	7.80
1/25/2019 1:00 PM	7.86	1/26/2019 1:00 PM	7.74	1/27/2019 1:00 PM	7.79
1/25/2019 1:15 PM	7.89	1/26/2019 1:15 PM	7.81	1/27/2019 1:15 PM	7.79
1/25/2019 1:30 PM	7.89	1/26/2019 1:30 PM	7.86	1/27/2019 1:30 PM	7.78
1/25/2019 1:45 PM	7.90	1/26/2019 1:45 PM	7.88	1/27/2019 1:45 PM	7.78
1/25/2019 2:00 PM	7.89	1/26/2019 2:00 PM	7.90	1/27/2019 2:00 PM	7.78
1/25/2019 2:15 PM	7.86	1/26/2019 2:15 PM	7.87	1/27/2019 2:15 PM	7.77
1/25/2019 2:30 PM	7.85	1/26/2019 2:30 PM	7.86	1/27/2019 2:30 PM	7.78
1/25/2019 2:45 PM	7.85	1/26/2019 2:45 PM	7.85	1/27/2019 2:45 PM	7.75
1/25/2019 3:00 PM	7.85	1/26/2019 3:00 PM	7.85	1/27/2019 3:00 PM	7.74
1/25/2019 3:15 PM	7.84	1/26/2019 3:15 PM	7.84	1/27/2019 3:15 PM	7.74
1/25/2019 3:30 PM	7.84	1/26/2019 3:30 PM	7.84	1/27/2019 3:30 PM	7.73
1/25/2019 3:45 PM	7.84	1/26/2019 3:45 PM	7.84	1/27/2019 3:45 PM	7.74
1/25/2019 4:00 PM	7.84	1/26/2019 4:00 PM	7.84	1/27/2019 4:00 PM	7.78
1/25/2019 4:15 PM	7.84	1/26/2019 4:15 PM	7.84	1/27/2019 4:15 PM	7.80
1/25/2019 4:30 PM	7.84	1/26/2019 4:30 PM	7.84	1/27/2019 4:30 PM	7.81
1/25/2019 4:45 PM	7.84	1/26/2019 4:45 PM	7.83	1/27/2019 4:45 PM	7.80
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1/25/2019 5:15 PM	7.83	1/26/2019 5:15 PM	7.83	1/27/2019 5:15 PM	7.79
1/25/2019 5:30 PM	7.83	1/26/2019 5:30 PM	7.83	1/27/2019 5:30 PM	7.78
1/25/2019 5:45 PM	7.83	1/26/2019 5:45 PM	7.82	1/27/2019 5:45 PM	7.78
1/25/2019 6:00 PM	7.84	1/26/2019 6:00 PM	7.81	1/27/2019 6:00 PM	7.78
1/25/2019 6:15 PM	7.77	1/26/2019 6:15 PM	7.78	1/27/2019 6:15 PM	7.78
1/25/2019 6:30 PM	7.77	1/26/2019 6:30 PM	7.77	1/27/2019 6:30 PM	7.78
1/25/2019 6:45 PM	7.77	1/26/2019 6:45 PM	7.76	1/27/2019 6:45 PM	7.79
1/25/2019 7:00 PM	7.77	1/26/2019 7:00 PM	7.78	1/27/2019 7:00 PM	7.80
1/25/2019 7:15 PM	7.82	1/26/2019 7:15 PM	7.81	1/27/2019 7:15 PM	7.80
1/25/2019 7:30 PM	7.86	1/26/2019 7:30 PM	7.82	1/27/2019 7:30 PM	7.88
1/25/2019 7:45 PM	7.86	1/26/2019 7:45 PM	7.82	1/27/2019 7:45 PM	7.80
1/25/2019 8:00 PM	7.86	1/26/2019 8:00 PM	7.81	1/27/2019 8:00 PM	7.80
1/25/2019 8:15 PM	7.85	1/26/2019 8:15 PM	7.81	1/27/2019 8:15 PM	7.79
1/25/2019 8:30 PM	7.84	1/26/2019 8:30 PM	7.76	1/27/2019 8:30 PM	7.78
1/25/2019 8:45 PM	7.83	1/26/2019 8:45 PM	7.76	1/27/2019 8:45 PM	7.78
1/25/2019 9:00 PM	7.83	1/26/2019 9:00 PM	7.75	1/27/2019 9:00 PM	7.80
1/25/2019 9:15 PM	7.83	1/26/2019 9:15 PM	7.77	1/27/2019 9:15 PM	7.79
1/25/2019 9:30 PM	7.83	1/26/2019 9:30 PM	7.81	1/27/2019 9:30 PM	7.79
1/25/2019 9:45 PM	7.83	1/26/2019 9:45 PM	7.82	1/27/2019 9:45 PM	7.79
1/25/2019 10:00 PM	7.83	1/26/2019 10:00 PM	7.81	1/27/2019 10:00 PM	7.79
1/25/2019 10:15 PM	7.82	1/26/2019 10:15 PM	7.81	1/27/2019 10:15 PM	7.78
1/25/2019 10:30 PM	7.78	1/26/2019 10:30 PM	7.80	1/27/2019 10:30 PM	7.78
1/25/2019 10:45 PM	7.77	1/26/2019 10:45 PM	7.80	1/27/2019 10:45 PM	7.78
1/25/2019 11:00 PM	7.75	1/26/2019 11:00 PM	7.80	1/27/2019 11:00 PM	7.78
1/25/2019 11:15 PM	7.76	1/26/2019 11:15 PM	7.80	1/27/2019 11:15 PM	7.79
1/25/2019 11:30 PM	7.75	1/26/2019 11:30 PM	7.80	1/27/2019 11:30 PM	7.76
1/25/2019 11:45 PM	7.75	1/26/2019 11:45 PM	7.80	1/27/2019 11:45 PM	7.75

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7.82

AVG

7.81

AVG

7.79

Date And Time	pH	Date And Time	pH	Date And Time	pH
1/28/2019 12:00 AM	7.73	1/29/2019 12:00 AM	7.82	1/30/2019 12:00 AM	7.93
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1/28/2019 12:30 AM	7.73	1/29/2019 12:30 AM	7.82	1/30/2019 12:30 AM	7.93
1/28/2019 12:45 AM	7.77	1/29/2019 12:45 AM	7.82	1/30/2019 12:45 AM	7.93
1/28/2019 1:00 AM	7.81	1/29/2019 1:00 AM	7.82	1/30/2019 1:00 AM	7.93
1/28/2019 1:15 AM	7.81	1/29/2019 1:15 AM	7.82	1/30/2019 1:15 AM	7.93
1/28/2019 1:30 AM	7.81	1/29/2019 1:30 AM	7.82	1/30/2019 1:30 AM	7.93
1/28/2019 1:45 AM	7.81	1/29/2019 1:45 AM	7.82	1/30/2019 1:45 AM	7.93
1/28/2019 2:00 AM	7.80	1/29/2019 2:00 AM	7.82	1/30/2019 2:00 AM	7.93
1/28/2019 2:15 AM	7.79	1/29/2019 2:15 AM	7.82	1/30/2019 2:15 AM	7.94
1/28/2019 2:30 AM	7.79	1/29/2019 2:30 AM	7.74	1/30/2019 2:30 AM	7.94
1/28/2019 2:45 AM	7.79	1/29/2019 2:45 AM	7.76	1/30/2019 2:45 AM	7.94
1/28/2019 3:00 AM	7.79	1/29/2019 3:00 AM	7.77	1/30/2019 3:00 AM	7.94
1/28/2019 3:15 AM	7.78	1/29/2019 3:15 AM	7.75	1/30/2019 3:15 AM	7.94
1/28/2019 3:30 AM	7.78	1/29/2019 3:30 AM	7.75	1/30/2019 3:30 AM	7.95
1/28/2019 3:45 AM	7.78	1/29/2019 3:45 AM	7.76	1/30/2019 3:45 AM	7.95
1/28/2019 4:00 AM	7.78	1/29/2019 4:00 AM	7.76	1/30/2019 4:00 AM	7.95
1/28/2019 4:15 AM	7.78	1/29/2019 4:15 AM	7.76	1/30/2019 4:15 AM	7.95
1/28/2019 4:30 AM	7.78	1/29/2019 4:30 AM	7.76	1/30/2019 4:30 AM	7.95
1/28/2019 4:45 AM	7.78	1/29/2019 4:45 AM	7.81	1/30/2019 4:45 AM	7.96
1/28/2019 5:00 AM	7.78	1/29/2019 5:00 AM	7.87	1/30/2019 5:00 AM	7.96
1/28/2019 5:15 AM	7.78	1/29/2019 5:15 AM	7.88	1/30/2019 5:15 AM	7.96
1/28/2019 5:30 AM	7.78	1/29/2019 5:30 AM	7.87	1/30/2019 5:30 AM	7.97
1/28/2019 5:45 AM	7.78	1/29/2019 5:45 AM	7.86	1/30/2019 5:45 AM	7.97
1/28/2019 6:00 AM	7.78	1/29/2019 6:00 AM	7.85	1/30/2019 6:00 AM	7.97
1/28/2019 6:15 AM	7.78	1/29/2019 6:15 AM	7.84	1/30/2019 6:15 AM	7.97
1/28/2019 6:30 AM	7.78	1/29/2019 6:30 AM	7.84	1/30/2019 6:30 AM	7.97
1/28/2019 6:45 AM	7.78	1/29/2019 6:45 AM	7.84	1/30/2019 6:45 AM	7.97
1/28/2019 7:00 AM	7.79	1/29/2019 7:00 AM	7.84	1/30/2019 7:00 AM	7.82
1/28/2019 7:15 AM	7.79	1/29/2019 7:15 AM	7.84	1/30/2019 7:15 AM	7.86
1/28/2019 7:30 AM	7.79	1/29/2019 7:30 AM	7.79	1/30/2019 7:30 AM	7.95
1/28/2019 7:45 AM	7.79	1/29/2019 7:45 AM	7.77	1/30/2019 7:45 AM	8.00
1/28/2019 8:00 AM	7.79	1/29/2019 8:00 AM	7.77	1/30/2019 8:00 AM	8.02
1/28/2019 8:15 AM	7.80	1/29/2019 8:15 AM	7.78	1/30/2019 8:15 AM	8.02
1/28/2019 8:30 AM	7.80	1/29/2019 8:30 AM	7.78	1/30/2019 8:30 AM	8.01
1/28/2019 8:45 AM	7.79	1/29/2019 8:45 AM	7.78	1/30/2019 8:45 AM	8.01
1/28/2019 9:00 AM	7.79	1/29/2019 9:00 AM	7.78	1/30/2019 9:00 AM	7.99
1/28/2019 9:15 AM	7.78	1/29/2019 9:15 AM	7.76	1/30/2019 9:15 AM	8.00
1/28/2019 9:30 AM	7.78	1/29/2019 9:30 AM	7.78	1/30/2019 9:30 AM	8.00
1/28/2019 9:45 AM	7.78	1/29/2019 9:45 AM	7.77	1/30/2019 9:45 AM	8.00
1/28/2019 10:00 AM	7.78	1/29/2019 10:00 AM	7.77	1/30/2019 10:00 AM	7.92
1/28/2019 10:15 AM	7.77	1/29/2019 10:15 AM	7.78	1/30/2019 10:15 AM	7.89
1/28/2019 10:30 AM	7.77	1/29/2019 10:30 AM	7.78	1/30/2019 10:30 AM	7.88
1/28/2019 10:45 AM	7.78	1/29/2019 10:45 AM	7.78	1/30/2019 10:45 AM	7.88
1/28/2019 11:00 AM	7.78	1/29/2019 11:00 AM	7.87	1/30/2019 11:00 AM	7.89
1/28/2019 11:15 AM	7.78	1/29/2019 11:15 AM	7.90	1/30/2019 11:15 AM	7.88
1/28/2019 11:30 AM	7.78	1/29/2019 11:30 AM	7.85	1/30/2019 11:30 AM	7.89
1/28/2019 11:45 AM	7.78	1/29/2019 11:45 AM	7.81	1/30/2019 11:45 AM	7.88
1/28/2019 12:00 PM	7.79	1/29/2019 12:00 PM	7.81	1/30/2019 12:00 PM	7.87
1/28/2019 12:15 PM	7.80	1/29/2019 12:15 PM	7.81	1/30/2019 12:15 PM	7.85
1/28/2019 12:30 PM	7.81	1/29/2019 12:30 PM	7.81	1/30/2019 12:30 PM	7.88
1/28/2019 12:45 PM	7.81	1/29/2019 12:45 PM	7.80	1/30/2019 12:45 PM	7.88
1/28/2019 1:00 PM	7.82	1/29/2019 1:00 PM	7.81	1/30/2019 1:00 PM	7.88
1/28/2019 1:15 PM	7.82	1/29/2019 1:15 PM	7.80	1/30/2019 1:15 PM	7.98
1/28/2019 1:30 PM	7.83	1/29/2019 1:30 PM	7.82	1/30/2019 1:30 PM	8.02
1/28/2019 1:45 PM	7.81	1/29/2019 1:45 PM	7.81	1/30/2019 1:45 PM	8.02
1/28/2019 2:00 PM	7.78	1/29/2019 2:00 PM	7.81	1/30/2019 2:00 PM	8.01
1/28/2019 2:15 PM	7.77	1/29/2019 2:15 PM	7.81	1/30/2019 2:15 PM	7.99
1/28/2019 2:30 PM	7.76	1/29/2019 2:30 PM	7.90	1/30/2019 2:30 PM	7.92
1/28/2019 2:45 PM	7.76	1/29/2019 2:45 PM	7.93	1/30/2019 2:45 PM	7.90
1/28/2019 3:00 PM	7.77	1/29/2019 3:00 PM	7.93	1/30/2019 3:00 PM	7.90
1/28/2019 3:15 PM	7.76	1/29/2019 3:15 PM	7.92	1/30/2019 3:15 PM	7.89
1/28/2019 3:30 PM	7.75	1/29/2019 3:30 PM	7.92	1/30/2019 3:30 PM	7.89
1/28/2019 3:45 PM	7.75	1/29/2019 3:45 PM	7.91	1/30/2019 3:45 PM	7.91
1/28/2019 4:00 PM	7.75	1/29/2019 4:00 PM	7.85	1/30/2019 4:00 PM	7.89
1/28/2019 4:15 PM	7.77	1/29/2019 4:15 PM	7.83	1/30/2019 4:15 PM	7.92
1/28/2019 4:30 PM	7.82	1/29/2019 4:30 PM	7.83	1/30/2019 4:30 PM	7.88
1/28/2019 4:45 PM	7.83	1/29/2019 4:45 PM	7.83	1/30/2019 4:45 PM	7.98
1/28/2019 5:00 PM	7.83	1/29/2019 5:00 PM	7.83	1/30/2019 5:00 PM	8.02
1/28/2019 5:15 PM	7.83	1/29/2019 5:15 PM	7.84	1/30/2019 5:15 PM	8.01
1/28/2019 5:30 PM	7.77	1/29/2019 5:30 PM	7.83	1/30/2019 5:30 PM	8.01
1/28/2019 5:45 PM	7.75	1/29/2019 5:45 PM	7.83	1/30/2019 5:45 PM	8.01
1/28/2019 6:00 PM	7.75	1/29/2019 6:00 PM	7.84	1/30/2019 6:00 PM	8.02
1/28/2019 6:15 PM	7.76	1/29/2019 6:15 PM	7.91	1/30/2019 6:15 PM	8.05
1/28/2019 6:30 PM	7.76	1/29/2019 6:30 PM	7.95	1/30/2019 6:30 PM	8.04
1/28/2019 6:45 PM	7.74	1/29/2019 6:45 PM	7.95	1/30/2019 6:45 PM	8.05
1/28/2019 7:00 PM	7.74	1/29/2019 7:00 PM	7.95	1/30/2019 7:00 PM	7.88
1/28/2019 7:15 PM	7.76	1/29/2019 7:15 PM	7.95	1/30/2019 7:15 PM	7.92
1/28/2019 7:30 PM	7.76	1/29/2019 7:30 PM	7.94	1/30/2019 7:30 PM	7.94
1/28/2019 7:45 PM	7.75	1/29/2019 7:45 PM	7.92	1/30/2019 7:45 PM	7.95
1/28/2019 8:00 PM	7.82	1/29/2019 8:00 PM	7.92	1/30/2019 8:00 PM	7.96
1/28/2019 8:15 PM	7.85	1/29/2019 8:15 PM	7.91	1/30/2019 8:15 PM	7.97
1/28/2019 8:30 PM	7.85	1/29/2019 8:30 PM	7.88	1/30/2019 8:30 PM	7.97
1/28/2019 8:45 PM	7.84	1/29/2019 8:45 PM	7.85	1/30/2019 8:45 PM	8.03
1/28/2019 9:00 PM	7.83	1/29/2019 9:00 PM	7.84	1/30/2019 9:00 PM	8.08
1/28/2019 9:15 PM	7.83	1/29/2019 9:15 PM	7.85	1/30/2019 9:15 PM	8.07
1/28/2019 9:30 PM	7.82	1/29/2019 9:30 PM	7.86	1/30/2019 9:30 PM	8.07
1/28/2019 9:45 PM	7.82	1/29/2019 9:45 PM	7.83	1/30/2019 9:45 PM	8.08
1/28/2019 10:00 PM	7.82	1/29/2019 10:00 PM	7.83	1/30/2019 10:00 PM	8.08
1/28/2019 10:15 PM	7.82	1/29/2019 10:15 PM	7.84	1/30/2019 10:15 PM	8.08
1/28/2019 10:30 PM	7.82	1/29/2019 10:30 PM	7.93	1/30/2019 10:30 PM	8.08
1/28/2019 10:45 PM	7.82	1/29/2019 10:45 PM	7.96	1/30/2019 10:45 PM	8.07
1/28/2019 11:00 PM	7.82	1/29/2019 11:00 PM	7.95	1/30/2019 11:00 PM	8.07
1/28/2019 11:15 PM	7.82	1/29/2019 11:15 PM	7.94	1/30/2019 11:15 PM	8.07
1/28/2019 11:30 PM	7.82	1/29/2019 11:30 PM	7.93	1/30/2019 11:30 PM	7.90
1/28/2019 11:45 PM	7.82	1/29/2019 11:45 PM	7.93	1/30/2019 11:45 PM	7.94

AVG

7.79

AVG

7.84

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7.96

Date And Time	pH
1/31/2019 12:00 AM	7.97
1/31/2019 12:15 AM	7.97
1/31/2019 12:30 AM	7.97
1/31/2019 12:45 AM	7.98
1/31/2019 1:00 AM	7.98
1/31/2019 1:15 AM	7.97
1/31/2019 1:30 AM	8.02
1/31/2019 1:45 AM	8.08
1/31/2019 2:00 AM	8.09
1/31/2019 2:15 AM	8.08
1/31/2019 2:30 AM	8.07
1/31/2019 2:45 AM	8.07
1/31/2019 3:00 AM	8.06
1/31/2019 3:15 AM	8.07
1/31/2019 3:30 AM	8.07
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1/31/2019 4:45 AM	7.95
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1/31/2019 5:15 AM	7.96
1/31/2019 5:30 AM	7.96
1/31/2019 5:45 AM	7.94
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1/31/2019 6:15 AM	8.08
1/31/2019 6:30 AM	8.07
1/31/2019 6:45 AM	8.06
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1/31/2019 7:15 AM	8.06
1/31/2019 7:30 AM	8.06
1/31/2019 7:45 AM	8.06
1/31/2019 8:00 AM	8.07
1/31/2019 8:15 AM	8.06
1/31/2019 8:30 AM	8.06
1/31/2019 8:45 AM	8.00
1/31/2019 9:00 AM	7.94
1/31/2019 9:15 AM	7.94
1/31/2019 9:30 AM	7.95
1/31/2019 9:45 AM	7.94
1/31/2019 10:00 AM	7.94
1/31/2019 10:15 AM	7.93
1/31/2019 10:30 AM	8.01
1/31/2019 10:45 AM	8.05
1/31/2019 11:00 AM	8.06
1/31/2019 11:15 AM	8.06
1/31/2019 11:30 AM	8.06
1/31/2019 11:45 AM	8.06
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1/31/2019 12:15 PM	8.06
1/31/2019 12:30 PM	8.04
1/31/2019 12:45 PM	7.97
1/31/2019 1:00 PM	7.94
1/31/2019 1:15 PM	7.94
1/31/2019 1:30 PM	7.94
1/31/2019 1:45 PM	7.93
1/31/2019 2:00 PM	7.93
1/31/2019 2:15 PM	7.92
1/31/2019 2:30 PM	7.92
1/31/2019 2:45 PM	7.91
1/31/2019 3:00 PM	7.93
1/31/2019 3:15 PM	7.92
1/31/2019 3:30 PM	7.93
1/31/2019 3:45 PM	8.00
1/31/2019 4:00 PM	8.04
1/31/2019 4:15 PM	8.04
1/31/2019 4:30 PM	8.03
1/31/2019 4:45 PM	8.02
1/31/2019 5:00 PM	8.01
1/31/2019 5:15 PM	8.00
1/31/2019 5:30 PM	7.94
1/31/2019 5:45 PM	7.93
1/31/2019 6:00 PM	7.92
1/31/2019 6:15 PM	7.91
1/31/2019 6:30 PM	7.93
1/31/2019 6:45 PM	7.93
1/31/2019 7:00 PM	7.93
1/31/2019 7:15 PM	7.92
1/31/2019 7:30 PM	8.00
1/31/2019 7:45 PM	8.04
1/31/2019 8:00 PM	8.03
1/31/2019 8:15 PM	8.02
1/31/2019 8:30 PM	8.01
1/31/2019 8:45 PM	8.01
1/31/2019 9:00 PM	8.01
1/31/2019 9:15 PM	8.01
1/31/2019 9:30 PM	8.01
1/31/2019 9:45 PM	8.01
1/31/2019 10:00 PM	7.93
1/31/2019 10:15 PM	7.91
1/31/2019 10:30 PM	7.94
1/31/2019 10:45 PM	7.94
1/31/2019 11:00 PM	7.99
1/31/2019 11:15 PM	8.04
1/31/2019 11:30 PM	8.03
1/31/2019 11:45 PM	8.02

AVG                    8.00

MIN	7.52
MAX	8.09

Avtex Fibers  
Front Royal, VA  
Outfall 004  
January 2019 DMR

**Flowrate Calculations:**

Date	Flow(MGD)
1/1/2019	0.081
1/2/2019	0.088
1/3/2019	0.088
1/4/2019	0.088
1/5/2019	0.090
1/6/2019	0.081
1/7/2019	0.081
1/8/2019	0.076
1/9/2019	0.076
1/10/2019	0.075
1/11/2019	0.098
1/12/2019	0.098
1/13/2019	0.084
1/14/2019	0.075
1/15/2019	0.090
1/16/2019	0.090
1/17/2019	0.079
1/18/2019	0.069
1/19/2019	0.053
1/20/2019	0.057
1/21/2019	0.118
1/22/2019	0.118
1/23/2019	0.076
1/24/2019	0.078
1/25/2019	0.069
1/26/2019	0.071
1/27/2019	0.045
1/28/2019	0.046
1/29/2019	0.101
1/30/2019	0.101
1/31/2019	0.085

Monthly Avg: 0.081  
Daily Max: 0.118

Avtex Fibers  
Front Royal, VA  
Outfall 004  
January 2019 DMR

<u>Sample Date</u>	<u>Sample ID</u>	<u>BOD, mg/L</u>	<u>BOD, kg/d</u>	<u>TSS, mg/L</u>	<u>TSS, kg/d</u>
1/3/2019	AF 1-3FE	0.0	0.0	0.0	0.0
1/8/2019	AF 1-8FE	0.0	0.0	0.0	0.0
1/15/2019	AF 1-15FE	0.0	0.0	0.0	0.0
1/24/2019	AF 1-24FE	0.0	0.0	0.0	0.0
1/31/2019	AF 1-31FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

#### Loading Derivation

If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)  
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day  
--> lbs/day = ppm \* 8.34 \* MGD  
--> kg/d = ppm \* 8.34 \* MGD \* 0.4536\*lb/d

#### Concentration Derivation

If 1 lb/d and 1 MGD (= 1 MG/day)  
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]  
--> ppm = lb/d \* (1/8.34) \* (1/MGD)

#### BOD

1/3/2019	0
1/8/2019	0
1/15/2019	0
1/24/2019	0
1/31/2019	0
AVG	0

#### TSS

1/3/2019	0
1/8/2019	0
1/15/2019	0
1/24/2019	0
1/31/2019	0
AVG	0

#### CS2\*

1/16/2019	0.220	ug/L
1/16/2019	0.000220	mg/L
1/16/2019	0.0001	kg/d

\*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L  
MDL 1.2 ug/L



Transmitted via Email

March 6, 2019

Department of Environmental Quality - CO  
Office of Remediation Program  
P.O. Box 1105  
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – February 2019  
Avtex Fibers Superfund Site  
Front Royal, Virginia

Dear Mr. Jordan:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of February 2019. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

As communicated, the GLTP was shutdown the week of February 4, 2019, for carbon vessel reapsirs, carbon regeneration and multi-media filter replacement. Please do not hesitate to call if there are any questions.

Sincerely,  
FMC Corporation

Brian M. McGinnis, P.E.  
Manager, Environmental Remediation

cc: via Email  
Brandon Kiracofe, DEQ  
Jeffrey Thomas, USEPA  
Heather Philip, Parsons

FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104  
USA

215.299.6000  
fmc.com

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004							
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218						
	ADDRESS: 404 Kendrick Lane Front Royal, VA 22630			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:									
FACILITY:	AVTEX FIBERS			MONITORING PERIOD			GLTP EFFLUENT (OUTFALL 004)												
	LOCATION: FRONT ROYAL, VA			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall			No Discharge						
ATTN:				FROM	19	02	01	TO	19	02	28								
PARAMETER	<del> </del>			QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE							
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE				UNITS						
FLOW	SAMPLE MEASUREMENT	0.062			0.096	MGD	*****	*****	*****	0	CONTINUOUS	TIRE							
00056 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	REPORT MONTHLY AV	REPORT DAILY MAX				*****	*****	*****										
PH	SAMPLE MEASUREMENT	*****			*****		7.7	*****	9.0	SU	0	CONTINUOUS	GRAB						
00400 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****			*****			6.5	MINIMUM					*****					
BOD, 5-DAY	SAMPLE MEASUREMENT	<QL			<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC						
00318 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	36 MONTHLY AV			96 DAILY MAX			*****	24 MONTHLY AV					64 DAILY MX					
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	0.07			0.26	kg/d	*****	0.35	1.4	mg/L	0	1/7	8 HC						
03603 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	60 MONTHLY AV			190 DAILY MAX			*****	40 MONTHLY AV					130 DAILY MX					
CARBON DISULFIDE	SAMPLE MEASUREMENT	<QL			<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC						
77041 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	NL MONTHLY AV			NL DAILY MAX			*****	NL MONTHLY AV					NL DAILY MX					
WHOLE EFFLUENT TOXICITY - <i>Ceriodaphnia dubia</i>	SAMPLE MEASUREMENT	*****			*****	TUa	*****	*****	*****	TUa			8 HC						
22414 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****			*****			*****	*****					*****					
WHOLE EFFLUENT TOXICITY - <i>Pimephales promelas</i>	SAMPLE MEASUREMENT	*****			*****	TUa	*****	*****	*****	TUa			8 HC						
22414 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****			*****			*****	*****					*****					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.					TELEPHONE			DATE							
Brian McGinnis Manager, Environmental Remediation												215	299-6047				19	03	06
TYPED OR PRINTED												SIGNATURE OF PRINCIPAL EXECUTIVE			OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)															
Attachment: pH compliance monitoring summary (monthly)																			
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level																			
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.													PAGE	1 OF 10					

Avtex Fibers  
Front Royal, VA  
Outfall 004  
February 2019 DMR

**pH Calculations:**

Date And Time	pH	Date And Time	pH	Date And Time	pH
2/1/2019 12:00 AM	8.02	2/2/2019 12:00 AM	8.01	2/3/2019 12:00 AM	7.90
2/1/2019 12:15 AM	8.02	2/2/2019 12:15 AM	8.01	2/3/2019 12:15 AM	7.90
2/1/2019 12:30 AM	8.02	2/2/2019 12:30 AM	8.01	2/3/2019 12:30 AM	7.90
2/1/2019 12:45 AM	8.02	2/2/2019 12:45 AM	8.00	2/3/2019 12:45 AM	7.89
2/1/2019 1:00 AM	8.02	2/2/2019 1:00 AM	8.01	2/3/2019 1:00 AM	7.89
2/1/2019 1:15 AM	8.03	2/2/2019 1:15 AM	8.01	2/3/2019 1:15 AM	7.89
2/1/2019 1:30 AM	8.03	2/2/2019 1:30 AM	8.01	2/3/2019 1:30 AM	7.89
2/1/2019 1:45 AM	8.04	2/2/2019 1:45 AM	8.01	2/3/2019 1:45 AM	7.89
2/1/2019 2:00 AM	8.04	2/2/2019 2:00 AM	8.01	2/3/2019 2:00 AM	7.89
2/1/2019 2:15 AM	8.04	2/2/2019 2:15 AM	8.01	2/3/2019 2:15 AM	7.95
2/1/2019 2:30 AM	7.92	2/2/2019 2:30 AM	8.01	2/3/2019 2:30 AM	7.97
2/1/2019 2:45 AM	7.93	2/2/2019 2:45 AM	8.01	2/3/2019 2:45 AM	7.97
2/1/2019 3:00 AM	7.94	2/2/2019 3:00 AM	8.01	2/3/2019 3:00 AM	7.97
2/1/2019 3:15 AM	7.92	2/2/2019 3:15 AM	8.01	2/3/2019 3:15 AM	7.96
2/1/2019 3:30 AM	7.93	2/2/2019 3:30 AM	8.01	2/3/2019 3:30 AM	7.95
2/1/2019 3:45 AM	7.92	2/2/2019 3:45 AM	8.02	2/3/2019 3:45 AM	7.95
2/1/2019 4:00 AM	7.92	2/2/2019 4:00 AM	8.02	2/3/2019 4:00 AM	7.95
2/1/2019 4:15 AM	8.00	2/2/2019 4:15 AM	8.02	2/3/2019 4:15 AM	7.94
2/1/2019 4:30 AM	8.04	2/2/2019 4:30 AM	8.02	2/3/2019 4:30 AM	7.94
2/1/2019 4:45 AM	8.04	2/2/2019 4:45 AM	8.03	2/3/2019 4:45 AM	7.94
2/1/2019 5:00 AM	8.03	2/2/2019 5:00 AM	8.03	2/3/2019 5:00 AM	7.94
2/1/2019 5:15 AM	8.02	2/2/2019 5:15 AM	8.02	2/3/2019 5:15 AM	7.94
2/1/2019 5:30 AM	8.01	2/2/2019 5:30 AM	7.90	2/3/2019 5:30 AM	7.94
2/1/2019 5:45 AM	8.01	2/2/2019 5:45 AM	7.93	2/3/2019 5:45 AM	7.94
2/1/2019 6:00 AM	8.01	2/2/2019 6:00 AM	7.93	2/3/2019 6:00 AM	7.94
2/1/2019 6:15 AM	8.01	2/2/2019 6:15 AM	7.94	2/3/2019 6:15 AM	7.94
2/1/2019 6:30 AM	8.01	2/2/2019 6:30 AM	7.93	2/3/2019 6:30 AM	7.94
2/1/2019 6:45 AM	8.02	2/2/2019 6:45 AM	7.93	2/3/2019 6:45 AM	7.94
2/1/2019 7:00 AM	8.02	2/2/2019 7:00 AM	8.02	2/3/2019 7:00 AM	7.94
2/1/2019 7:15 AM	8.03	2/2/2019 7:15 AM	8.06	2/3/2019 7:15 AM	7.94
2/1/2019 7:30 AM	8.04	2/2/2019 7:30 AM	8.05	2/3/2019 7:30 AM	7.93
2/1/2019 7:45 AM	8.04	2/2/2019 7:45 AM	8.03	2/3/2019 7:45 AM	7.93
2/1/2019 8:00 AM	8.03	2/2/2019 8:00 AM	8.02	2/3/2019 8:00 AM	7.93
2/1/2019 8:15 AM	8.03	2/2/2019 8:15 AM	8.02	2/3/2019 8:15 AM	7.93
2/1/2019 8:30 AM	8.03	2/2/2019 8:30 AM	8.01	2/3/2019 8:30 AM	7.90
2/1/2019 8:45 AM	8.03	2/2/2019 8:45 AM	8.00	2/3/2019 8:45 AM	7.86
2/1/2019 9:00 AM	8.02	2/2/2019 9:00 AM	8.00	2/3/2019 9:00 AM	7.87
2/1/2019 9:15 AM	7.90	2/2/2019 9:15 AM	8.00	2/3/2019 9:15 AM	7.87
2/1/2019 9:30 AM	7.91	2/2/2019 9:30 AM	8.00	2/3/2019 9:30 AM	7.86
2/1/2019 9:45 AM	8.00	2/2/2019 9:45 AM	8.00	2/3/2019 9:45 AM	7.87
2/1/2019 10:00 AM	8.03	2/2/2019 10:00 AM	8.01	2/3/2019 10:00 AM	7.87
2/1/2019 10:15 AM	8.04	2/2/2019 10:15 AM	8.01	2/3/2019 10:15 AM	7.86
2/1/2019 10:30 AM	8.03	2/2/2019 10:30 AM	8.01	2/3/2019 10:30 AM	7.86
2/1/2019 10:45 AM	8.03	2/2/2019 10:45 AM	7.99	2/3/2019 10:45 AM	7.86
2/1/2019 11:00 AM	8.01	2/2/2019 11:00 AM	7.99	2/3/2019 11:00 AM	7.86
2/1/2019 11:15 AM	8.01	2/2/2019 11:15 AM	8.00	2/3/2019 11:15 AM	7.86
2/1/2019 11:30 AM	7.93	2/2/2019 11:30 AM	8.01	2/3/2019 11:30 AM	7.91
2/1/2019 11:45 AM	7.91	2/2/2019 11:45 AM	8.02	2/3/2019 11:45 AM	7.92
2/1/2019 12:00 PM	7.91	2/2/2019 12:00 PM	8.02	2/3/2019 12:00 PM	7.91
2/1/2019 12:15 PM	7.92	2/2/2019 12:15 PM	8.02	2/3/2019 12:15 PM	7.92
2/1/2019 12:30 PM	7.92	2/2/2019 12:30 PM	8.02	2/3/2019 12:30 PM	7.95
2/1/2019 12:45 PM	7.92	2/2/2019 12:45 PM	8.03	2/3/2019 12:45 PM	7.97
2/1/2019 1:00 PM	7.94	2/2/2019 1:00 PM	8.03	2/3/2019 1:00 PM	7.90
2/1/2019 1:15 PM	8.03	2/2/2019 1:15 PM	8.02	2/3/2019 1:15 PM	7.92
2/1/2019 1:30 PM	8.04	2/2/2019 1:30 PM	8.02	2/3/2019 1:30 PM	7.88
2/1/2019 1:45 PM	8.04	2/2/2019 1:45 PM	8.02	2/3/2019 1:45 PM	7.88
2/1/2019 2:00 PM	8.03	2/2/2019 2:00 PM	8.01	2/3/2019 2:00 PM	7.85
2/1/2019 2:15 PM	8.02	2/2/2019 2:15 PM	8.01	2/3/2019 2:15 PM	7.83
2/1/2019 2:30 PM	8.01	2/2/2019 2:30 PM	7.99	2/3/2019 2:30 PM	7.87
2/1/2019 2:45 PM	8.01	2/2/2019 2:45 PM	8.04	2/3/2019 2:45 PM	7.92
2/1/2019 3:00 PM	8.01	2/2/2019 3:00 PM	8.02	2/3/2019 3:00 PM	7.93
2/1/2019 3:15 PM	8.01	2/2/2019 3:15 PM	7.99	2/3/2019 3:15 PM	7.94
2/1/2019 3:30 PM	8.01	2/2/2019 3:30 PM	7.98	2/3/2019 3:30 PM	7.94
2/1/2019 3:45 PM	8.02	2/2/2019 3:45 PM	7.97	2/3/2019 3:45 PM	7.94
2/1/2019 4:00 PM	7.92	2/2/2019 4:00 PM	8.01	2/3/2019 4:00 PM	7.94
2/1/2019 4:15 PM	7.91	2/2/2019 4:15 PM	8.02	2/3/2019 4:15 PM	7.98
2/1/2019 4:30 PM	7.93	2/2/2019 4:30 PM	8.01	2/3/2019 4:30 PM	8.00
2/1/2019 4:45 PM	7.92	2/2/2019 4:45 PM	8.01	2/3/2019 4:45 PM	8.01
2/1/2019 5:00 PM	7.93	2/2/2019 5:00 PM	8.01	2/3/2019 5:00 PM	7.99
2/1/2019 5:15 PM	7.92	2/2/2019 5:15 PM	8.01	2/3/2019 5:15 PM	7.98
2/1/2019 5:30 PM	8.02	2/2/2019 5:30 PM	8.00	2/3/2019 5:30 PM	7.97
2/1/2019 5:45 PM	8.04	2/2/2019 5:45 PM	8.00	2/3/2019 5:45 PM	7.97
2/1/2019 6:00 PM	8.03	2/2/2019 6:00 PM	7.99	2/3/2019 6:00 PM	7.97
2/1/2019 6:15 PM	8.02	2/2/2019 6:15 PM	7.99	2/3/2019 6:15 PM	7.97
2/1/2019 6:30 PM	8.02	2/2/2019 6:30 PM	7.99	2/3/2019 6:30 PM	7.97
2/1/2019 6:45 PM	8.02	2/2/2019 6:45 PM	7.99	2/3/2019 6:45 PM	7.97
2/1/2019 7:00 PM	8.02	2/2/2019 7:00 PM	7.99	2/3/2019 7:00 PM	7.97
2/1/2019 7:15 PM	8.02	2/2/2019 7:15 PM	7.98	2/3/2019 7:15 PM	7.96
2/1/2019 7:30 PM	8.03	2/2/2019 7:30 PM	7.98	2/3/2019 7:30 PM	8.00
2/1/2019 7:45 PM	8.03	2/2/2019 7:45 PM	7.97	2/3/2019 7:45 PM	8.03
2/1/2019 8:00 PM	8.03	2/2/2019 8:00 PM	7.97	2/3/2019 8:00 PM	8.05
2/1/2019 8:15 PM	8.03	2/2/2019 8:15 PM	7.97	2/3/2019 8:15 PM	8.05
2/1/2019 8:30 PM	7.91	2/2/2019 8:30 PM	7.96	2/3/2019 8:30 PM	8.05
2/1/2019 8:45 PM	7.90	2/2/2019 8:45 PM	7.96	2/3/2019 8:45 PM	8.05
2/1/2019 9:00 PM	7.90	2/2/2019 9:00 PM	7.95	2/3/2019 9:00 PM	8.05
2/1/2019 9:15 PM	7.92	2/2/2019 9:15 PM	7.95	2/3/2019 9:15 PM	8.04
2/1/2019 9:30 PM	7.92	2/2/2019 9:30 PM	7.95	2/3/2019 9:30 PM	8.04
2/1/2019 9:45 PM	7.93	2/2/2019 9:45 PM	7.95	2/3/2019 9:45 PM	8.04
2/1/2019 10:00 PM	7.92	2/2/2019 10:00 PM	7.94	2/3/2019 10:00 PM	8.04
2/1/2019 10:15 PM	8.02	2/2/2019 10:15 PM	7.94	2/3/2019 10:15 PM	8.04
2/1/2019 10:30 PM	8.05	2/2/2019 10:30 PM	7.94	2/3/2019 10:30 PM	8.03
2/1/2019 10:45 PM	8.04	2/2/2019 10:45 PM	7.94	2/3/2019 10:45 PM	8.03
2/1/2019 11:00 PM	8.03	2/2/2019 11:00 PM	7.94	2/3/2019 11:00 PM	8.02
2/1/2019 11:15 PM	8.02	2/2/2019 11:15 PM	7.94	2/3/2019 11:15 PM	8.02
2/1/2019 11:30 PM	8.01	2/2/2019 11:30 PM	7.90	2/3/2019 11:30 PM	8.02
2/1/2019 11:45 PM	8.01	2/2/2019 11:45 PM	7.91	2/3/2019 11:45 PM	8.02

AVG

7.99

AVG

7.99

AVG

7.94

AVG

8.00

AVC

7.88

AVG

7.80



Date And Time	pH	Date And Time	pH	Date And Time	pH
2/10/2019 12:00 AM	8.65	2/11/2019 12:00 AM	8.88	2/12/2019 12:00 AM	8.84
2/10/2019 12:15 AM	8.65	2/11/2019 12:15 AM	8.76	2/12/2019 12:15 AM	8.84
2/10/2019 12:30 AM	8.66	2/11/2019 12:30 AM	8.76	2/12/2019 12:30 AM	8.85
2/10/2019 12:45 AM	8.67	2/11/2019 12:45 AM	8.77	2/12/2019 12:45 AM	8.85
2/10/2019 1:00 AM	8.67	2/11/2019 1:00 AM	8.76	2/12/2019 1:00 AM	8.88
2/10/2019 1:15 AM	8.68	2/11/2019 1:15 AM	8.80	2/12/2019 1:15 AM	8.94
2/10/2019 1:30 AM	8.68	2/11/2019 1:30 AM	8.83	2/12/2019 1:30 AM	8.95
2/10/2019 1:45 AM	8.60	2/11/2019 1:45 AM	8.85	2/12/2019 1:45 AM	8.95
2/10/2019 2:00 AM	8.62	2/11/2019 2:00 AM	8.86	2/12/2019 2:00 AM	8.95
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2/10/2019 3:30 AM	8.68	2/11/2019 3:30 AM	8.88	2/12/2019 3:30 AM	8.86
2/10/2019 3:45 AM	8.70	2/11/2019 3:45 AM	8.88	2/12/2019 3:45 AM	8.86
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2/10/2019 4:30 AM	8.73	2/11/2019 4:30 AM	8.89	2/12/2019 4:30 AM	8.89
2/10/2019 4:45 AM	8.74	2/11/2019 4:45 AM	8.79	2/12/2019 4:45 AM	8.95
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2/10/2019 5:30 AM	8.76	2/11/2019 5:30 AM	8.79	2/12/2019 5:30 AM	8.97
2/10/2019 5:45 AM	8.76	2/11/2019 5:45 AM	8.82	2/12/2019 5:45 AM	8.97
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2/10/2019 6:15 AM	8.64	2/11/2019 6:15 AM	8.87	2/12/2019 6:15 AM	8.97
2/10/2019 6:30 AM	8.66	2/11/2019 6:30 AM	8.88	2/12/2019 6:30 AM	8.98
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2/10/2019 7:15 AM	8.66	2/11/2019 7:15 AM	8.88	2/12/2019 7:15 AM	8.86
2/10/2019 7:30 AM	8.65	2/11/2019 7:30 AM	8.89	2/12/2019 7:30 AM	8.87
2/10/2019 7:45 AM	8.71	2/11/2019 7:45 AM	8.89	2/12/2019 7:45 AM	8.87
2/10/2019 8:00 AM	8.74	2/11/2019 8:00 AM	8.89	2/12/2019 8:00 AM	8.87
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2/10/2019 8:30 AM	8.75	2/11/2019 8:30 AM	8.89	2/12/2019 8:30 AM	8.88
2/10/2019 8:45 AM	8.74	2/11/2019 8:45 AM	8.89	2/12/2019 8:45 AM	8.91
2/10/2019 9:00 AM	8.74	2/11/2019 9:00 AM	8.90	2/12/2019 9:00 AM	8.97
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2/10/2019 9:45 AM	8.74	2/11/2019 9:45 AM	8.79	2/12/2019 9:45 AM	8.98
2/10/2019 10:00 AM	8.75	2/11/2019 10:00 AM	8.79	2/12/2019 10:00 AM	8.97
2/10/2019 10:15 AM	8.76	2/11/2019 10:15 AM	8.84	2/12/2019 10:15 AM	8.97
2/10/2019 10:30 AM	8.77	2/11/2019 10:30 AM	8.88	2/12/2019 10:30 AM	8.98
2/10/2019 10:45 AM	8.70	2/11/2019 10:45 AM	8.89	2/12/2019 10:45 AM	8.98
2/10/2019 11:00 AM	8.72	2/11/2019 11:00 AM	8.90	2/12/2019 11:00 AM	8.98
2/10/2019 11:15 AM	8.71	2/11/2019 11:15 AM	8.90	2/12/2019 11:15 AM	8.99
2/10/2019 11:30 AM	8.69	2/11/2019 11:30 AM	8.90	2/12/2019 11:30 AM	8.99
2/10/2019 11:45 AM	8.71	2/11/2019 11:45 AM	8.90	2/12/2019 11:45 AM	8.88
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2/10/2019 12:30 PM	8.76	2/11/2019 12:30 PM	8.90	2/12/2019 12:30 PM	8.88
2/10/2019 12:45 PM	8.77	2/11/2019 12:45 PM	8.90	2/12/2019 12:45 PM	8.88
2/10/2019 1:00 PM	8.78	2/11/2019 1:00 PM	8.90	2/12/2019 1:00 PM	8.88
2/10/2019 1:15 PM	8.78	2/11/2019 1:15 PM	8.90	2/12/2019 1:15 PM	8.94
2/10/2019 1:30 PM	8.79	2/11/2019 1:30 PM	8.90	2/12/2019 1:30 PM	9.00
2/10/2019 1:45 PM	8.80	2/11/2019 1:45 PM	8.90	2/12/2019 1:45 PM	9.00
2/10/2019 2:00 PM	8.81	2/11/2019 2:00 PM	8.91	2/12/2019 2:00 PM	9.00
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2/10/2019 2:30 PM	8.81	2/11/2019 2:30 PM	8.91	2/12/2019 2:30 PM	9.00
2/10/2019 2:45 PM	8.81	2/11/2019 2:45 PM	8.91	2/12/2019 2:45 PM	9.00
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2/10/2019 3:15 PM	8.77	2/11/2019 3:15 PM	8.91	2/12/2019 3:15 PM	8.95
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2/10/2019 5:45 PM	8.82	2/11/2019 5:45 PM	8.80	2/12/2019 5:45 PM	8.87
2/10/2019 6:00 PM	8.83	2/11/2019 6:00 PM	8.80	2/12/2019 6:00 PM	8.87
2/10/2019 6:15 PM	8.82	2/11/2019 6:15 PM	8.80	2/12/2019 6:15 PM	8.87
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2/10/2019 7:30 PM	8.83	2/11/2019 7:30 PM	8.82	2/12/2019 7:30 PM	8.87
2/10/2019 7:45 PM	8.74	2/11/2019 7:45 PM	8.82	2/12/2019 7:45 PM	8.89
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2/10/2019 8:30 PM	8.75	2/11/2019 8:30 PM	8.92	2/12/2019 8:30 PM	8.99
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2/10/2019 9:30 PM	8.84	2/11/2019 9:30 PM	8.93	2/12/2019 9:30 PM	8.97
2/10/2019 9:45 PM	8.85	2/11/2019 9:45 PM	8.93	2/12/2019 9:45 PM	8.96
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2/10/2019 10:15 PM	8.86	2/11/2019 10:15 PM	8.82	2/12/2019 10:15 PM	8.96
2/10/2019 10:30 PM	8.86	2/11/2019 10:30 PM	8.82	2/12/2019 10:30 PM	8.96
2/10/2019 10:45 PM	8.87	2/11/2019 10:45 PM	8.82	2/12/2019 10:45 PM	8.97
2/10/2019 11:00 PM	8.87	2/11/2019 11:00 PM	8.83	2/12/2019 11:00 PM	8.97
2/10/2019 11:15 PM	8.88	2/11/2019 11:15 PM	8.83	2/12/2019 11:15 PM	8.98
2/10/2019 11:30 PM	8.88	2/11/2019 11:30 PM	8.83	2/12/2019 11:30 PM	8.98
2/10/2019 11:45 PM	8.88	2/11/2019 11:45 PM	8.84	2/12/2019 11:45 PM	8.98

AVG

8.75

AVG

8.87

AVG

8.93

Date And Time	pH	Date And Time	pH	Date And Time	pH
2/13/2019 12:00 AM	8.98	2/14/2019 12:00 AM	8.83	2/15/2019 12:00 AM	8.87
2/13/2019 12:15 AM	8.98	2/14/2019 12:15 AM	8.83	2/15/2019 12:15 AM	8.86
2/13/2019 12:30 AM	8.98	2/14/2019 12:30 AM	8.83	2/15/2019 12:30 AM	8.87
2/13/2019 12:45 AM	8.98	2/14/2019 12:45 AM	8.82	2/15/2019 12:45 AM	8.86
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2/13/2019 1:15 AM	8.98	2/14/2019 1:15 AM	8.90	2/15/2019 1:15 AM	8.85
2/13/2019 1:30 AM	8.98	2/14/2019 1:30 AM	8.92	2/15/2019 1:30 AM	8.86
2/13/2019 1:45 AM	8.98	2/14/2019 1:45 AM	8.92	2/15/2019 1:45 AM	8.87
2/13/2019 2:00 AM	8.98	2/14/2019 2:00 AM	8.92	2/15/2019 2:00 AM	8.87
2/13/2019 2:30 AM	8.95	2/14/2019 2:30 AM	8.91	2/15/2019 2:30 AM	8.87
2/13/2019 2:45 AM	8.89	2/14/2019 2:45 AM	8.91	2/15/2019 2:45 AM	8.82
2/13/2019 3:00 AM	8.88	2/14/2019 3:00 AM	8.91	2/15/2019 3:00 AM	8.80
2/13/2019 3:15 AM	8.92	2/14/2019 3:15 AM	8.91	2/15/2019 3:15 AM	8.79
2/13/2019 3:30 AM	8.97	2/14/2019 3:30 AM	8.91	2/15/2019 3:30 AM	8.78
2/13/2019 3:45 AM	8.98	2/14/2019 3:45 AM	8.91	2/15/2019 3:45 AM	8.78
2/13/2019 4:00 AM	8.98	2/14/2019 4:00 AM	8.91	2/15/2019 4:00 AM	8.77
2/13/2019 4:15 AM	8.97	2/14/2019 4:15 AM	8.84	2/15/2019 4:15 AM	8.77
2/13/2019 4:30 AM	8.97	2/14/2019 4:30 AM	8.83	2/15/2019 4:30 AM	8.79
2/13/2019 4:45 AM	8.96	2/14/2019 4:45 AM	8.82	2/15/2019 4:45 AM	8.83
2/13/2019 5:00 AM	8.96	2/14/2019 5:00 AM	8.82	2/15/2019 5:00 AM	8.85
2/13/2019 5:15 AM	8.96	2/14/2019 5:15 AM	8.82	2/15/2019 5:15 AM	8.86
2/13/2019 5:30 AM	8.97	2/14/2019 5:30 AM	8.82	2/15/2019 5:30 AM	8.86
2/13/2019 5:45 AM	8.96	2/14/2019 5:45 AM	8.81	2/15/2019 5:45 AM	8.86
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2/13/2019 6:30 AM	8.97	2/14/2019 6:30 AM	8.87	2/15/2019 6:30 AM	8.85
2/13/2019 6:45 AM	8.97	2/14/2019 6:45 AM	8.91	2/15/2019 6:45 AM	8.85
2/13/2019 7:00 AM	8.90	2/14/2019 7:00 AM	8.91	2/15/2019 7:00 AM	8.87
2/13/2019 7:15 AM	8.87	2/14/2019 7:15 AM	8.91	2/15/2019 7:15 AM	8.78
2/13/2019 7:30 AM	8.93	2/14/2019 7:30 AM	8.91	2/15/2019 7:30 AM	8.77
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2/13/2019 8:45 AM	8.96	2/14/2019 8:45 AM	8.81	2/15/2019 8:45 AM	8.74
2/13/2019 9:00 AM	8.96	2/14/2019 9:00 AM	8.79	2/15/2019 9:00 AM	8.68
2/13/2019 9:15 AM	8.96	2/14/2019 9:15 AM	8.80	2/15/2019 9:15 AM	8.72
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2/13/2019 12:45 PM	8.82	2/14/2019 12:45 PM	8.90	2/15/2019 12:45 PM	8.70
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2/13/2019 5:45 PM	8.91	2/14/2019 5:45 PM	8.81	2/15/2019 5:45 PM	8.77
2/13/2019 6:00 PM	8.91	2/14/2019 6:00 PM	8.79	2/15/2019 6:00 PM	8.77
2/13/2019 6:15 PM	8.91	2/14/2019 6:15 PM	8.79	2/15/2019 6:15 PM	8.77
2/13/2019 6:30 PM	8.91	2/14/2019 6:30 PM	8.79	2/15/2019 6:30 PM	8.77
2/13/2019 6:45 PM	8.91	2/14/2019 6:45 PM	8.78	2/15/2019 6:45 PM	8.77
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2/13/2019 7:15 PM	8.92	2/14/2019 7:15 PM	8.78	2/15/2019 7:15 PM	8.76
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2/13/2019 7:45 PM	8.92	2/14/2019 7:45 PM	8.86	2/15/2019 7:45 PM	8.77
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2/13/2019 9:00 PM	8.93	2/14/2019 9:00 PM	8.88	2/15/2019 9:00 PM	8.77
2/13/2019 9:15 PM	8.89	2/14/2019 9:15 PM	8.88	2/15/2019 9:15 PM	8.77
2/13/2019 9:30 PM	8.83	2/14/2019 9:30 PM	8.87	2/15/2019 9:30 PM	8.77
2/13/2019 9:45 PM	8.92	2/14/2019 9:45 PM	8.87	2/15/2019 9:45 PM	8.78
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2/13/2019 10:15 PM	8.93	2/14/2019 10:15 PM	8.87	2/15/2019 10:15 PM	8.78
2/13/2019 10:30 PM	8.93	2/14/2019 10:30 PM	8.86	2/15/2019 10:30 PM	8.79
2/13/2019 10:45 PM	8.92	2/14/2019 10:45 PM	8.86	2/15/2019 10:45 PM	8.79
2/13/2019 11:00 PM	8.92	2/14/2019 11:00 PM	8.87	2/15/2019 11:00 PM	8.79
2/13/2019 11:15 PM	8.92	2/14/2019 11:15 PM	8.87	2/15/2019 11:15 PM	8.79
2/13/2019 11:30 PM	8.92	2/14/2019 11:30 PM	8.86	2/15/2019 11:30 PM	8.79
2/13/2019 11:45 PM	8.85	2/14/2019 11:45 PM	8.86	2/15/2019 11:45 PM	8.80

AVG

8.92

AV

8.85

A

8.80

Date And Time	pH	Date And Time	pH	Date And Time	pH
2/16/2019 12:00 AM	8.80	2/17/2019 12:00 AM	8.69	2/18/2019 12:00 AM	8.70
2/16/2019 12:15 AM	8.81	2/17/2019 12:15 AM	8.69	2/18/2019 12:15 AM	8.69
2/16/2019 12:30 AM	8.81	2/17/2019 12:30 AM	8.69	2/18/2019 12:30 AM	8.68
2/16/2019 12:45 AM	8.81	2/17/2019 12:45 AM	8.68	2/18/2019 12:45 AM	8.68
2/16/2019 1:00 AM	8.78	2/17/2019 1:00 AM	8.68	2/18/2019 1:00 AM	8.68
2/16/2019 1:15 AM	8.78	2/17/2019 1:15 AM	8.69	2/18/2019 1:15 AM	8.68
2/16/2019 1:30 AM	8.77	2/17/2019 1:30 AM	8.74	2/18/2019 1:30 AM	8.68
2/16/2019 1:45 AM	8.76	2/17/2019 1:45 AM	8.76	2/18/2019 1:45 AM	8.68
2/16/2019 2:00 AM	8.75	2/17/2019 2:00 AM	8.77	2/18/2019 2:00 AM	8.68
2/16/2019 2:30 AM	8.74	2/17/2019 2:30 AM	8.76	2/18/2019 2:30 AM	8.63
2/16/2019 2:45 AM	8.74	2/17/2019 2:45 AM	8.76	2/18/2019 2:45 AM	8.59
2/16/2019 3:00 AM	8.73	2/17/2019 3:00 AM	8.76	2/18/2019 3:00 AM	8.59
2/16/2019 3:15 AM	8.73	2/17/2019 3:15 AM	8.76	2/18/2019 3:15 AM	8.58
2/16/2019 3:30 AM	8.72	2/17/2019 3:30 AM	8.76	2/18/2019 3:30 AM	8.58
2/16/2019 3:45 AM	8.72	2/17/2019 3:45 AM	8.76	2/18/2019 3:45 AM	8.66
2/16/2019 4:00 AM	8.72	2/17/2019 4:00 AM	8.69	2/18/2019 4:00 AM	8.68
2/16/2019 4:15 AM	8.71	2/17/2019 4:15 AM	8.67	2/18/2019 4:15 AM	8.68
2/16/2019 4:30 AM	8.71	2/17/2019 4:30 AM	8.66	2/18/2019 4:30 AM	8.69
2/16/2019 4:45 AM	8.75	2/17/2019 4:45 AM	8.66	2/18/2019 4:45 AM	8.68
2/16/2019 5:00 AM	8.77	2/17/2019 5:00 AM	8.66	2/18/2019 5:00 AM	8.68
2/16/2019 5:15 AM	8.78	2/17/2019 5:15 AM	8.66	2/18/2019 5:15 AM	8.68
2/16/2019 5:30 AM	8.73	2/17/2019 5:30 AM	8.65	2/18/2019 5:30 AM	8.68
2/16/2019 5:45 AM	8.71	2/17/2019 5:45 AM	8.65	2/18/2019 5:45 AM	8.67
2/16/2019 6:00 AM	8.71	2/17/2019 6:00 AM	8.65	2/18/2019 6:00 AM	8.67
2/16/2019 6:15 AM	8.71	2/17/2019 6:15 AM	8.65	2/18/2019 6:15 AM	8.67
2/16/2019 6:30 AM	8.70	2/17/2019 6:30 AM	8.65	2/18/2019 6:30 AM	8.67
2/16/2019 6:45 AM	8.70	2/17/2019 6:45 AM	8.64	2/18/2019 6:45 AM	8.67
2/16/2019 7:00 AM	8.70	2/17/2019 7:00 AM	8.65	2/18/2019 7:00 AM	8.63
2/16/2019 7:15 AM	8.70	2/17/2019 7:15 AM	8.65	2/18/2019 7:15 AM	8.60
2/16/2019 7:30 AM	8.70	2/17/2019 7:30 AM	8.72	2/18/2019 7:30 AM	8.58
2/16/2019 7:45 AM	8.70	2/17/2019 7:45 AM	8.74	2/18/2019 7:45 AM	8.57
2/16/2019 8:00 AM	8.70	2/17/2019 8:00 AM	8.74	2/18/2019 8:00 AM	8.58
2/16/2019 8:15 AM	8.69	2/17/2019 8:15 AM	8.74	2/18/2019 8:15 AM	8.63
2/16/2019 8:30 AM	8.70	2/17/2019 8:30 AM	8.68	2/18/2019 8:30 AM	8.66
2/16/2019 8:45 AM	8.70	2/17/2019 8:45 AM	8.65	2/18/2019 8:45 AM	8.67
2/16/2019 9:00 AM	8.73	2/17/2019 9:00 AM	8.64	2/18/2019 9:00 AM	8.67
2/16/2019 9:15 AM	8.78	2/17/2019 9:15 AM	8.64	2/18/2019 9:15 AM	8.67
2/16/2019 9:30 AM	8.79	2/17/2019 9:30 AM	8.64	2/18/2019 9:30 AM	8.67
2/16/2019 9:45 AM	8.79	2/17/2019 9:45 AM	8.63	2/18/2019 9:45 AM	8.67
2/16/2019 10:00 AM	8.71	2/17/2019 10:00 AM	8.67	2/18/2019 10:00 AM	8.65
2/16/2019 10:15 AM	8.70	2/17/2019 10:15 AM	8.72	2/18/2019 10:15 AM	8.66
2/16/2019 10:30 AM	8.70	2/17/2019 10:30 AM	8.73	2/18/2019 10:30 AM	8.68
2/16/2019 10:45 AM	8.69	2/17/2019 10:45 AM	8.74	2/18/2019 10:45 AM	8.64
2/16/2019 11:00 AM	8.69	2/17/2019 11:00 AM	8.74	2/18/2019 11:00 AM	8.64
2/16/2019 11:15 AM	8.69	2/17/2019 11:15 AM	8.74	2/18/2019 11:15 AM	8.63
2/16/2019 11:30 AM	8.69	2/17/2019 11:30 AM	8.72	2/18/2019 11:30 AM	8.62
2/16/2019 11:45 AM	8.68	2/17/2019 11:45 AM	8.72	2/18/2019 11:45 AM	8.57
2/16/2019 12:00 PM	8.68	2/17/2019 12:00 PM	8.72	2/18/2019 12:00 PM	8.55
2/16/2019 12:15 PM	8.73	2/17/2019 12:15 PM	8.72	2/18/2019 12:15 PM	8.55
2/16/2019 12:30 PM	8.77	2/17/2019 12:30 PM	8.72	2/18/2019 12:30 PM	8.54
2/16/2019 12:45 PM	8.79	2/17/2019 12:45 PM	8.72	2/18/2019 12:45 PM	8.55
2/16/2019 1:00 PM	8.81	2/17/2019 1:00 PM	8.68	2/18/2019 1:00 PM	8.57
2/16/2019 1:15 PM	8.82	2/17/2019 1:15 PM	8.64	2/18/2019 1:15 PM	8.62
2/16/2019 1:30 PM	8.86	2/17/2019 1:30 PM	8.72	2/18/2019 1:30 PM	8.63
2/16/2019 1:45 PM	8.82	2/17/2019 1:45 PM	8.63	2/18/2019 1:45 PM	8.64
2/16/2019 2:00 PM	8.82	2/17/2019 2:00 PM	8.63	2/18/2019 2:00 PM	8.63
2/16/2019 2:15 PM	8.81	2/17/2019 2:15 PM	8.62	2/18/2019 2:15 PM	8.63
2/16/2019 2:30 PM	8.78	2/17/2019 2:30 PM	8.66	2/18/2019 2:30 PM	8.62
2/16/2019 2:45 PM	8.76	2/17/2019 2:45 PM	8.71	2/18/2019 2:45 PM	8.61
2/16/2019 3:00 PM	8.74	2/17/2019 3:00 PM	8.72	2/18/2019 3:00 PM	8.62
2/16/2019 3:15 PM	8.73	2/17/2019 3:15 PM	8.73	2/18/2019 3:15 PM	8.62
2/16/2019 3:30 PM	8.73	2/17/2019 3:30 PM	8.72	2/18/2019 3:30 PM	8.62
2/16/2019 3:45 PM	8.72	2/17/2019 3:45 PM	8.72	2/18/2019 3:45 PM	8.62
2/16/2019 4:00 PM	8.72	2/17/2019 4:00 PM	8.71	2/18/2019 4:00 PM	8.56
2/16/2019 4:15 PM	8.74	2/17/2019 4:15 PM	8.71	2/18/2019 4:15 PM	8.54
2/16/2019 4:30 PM	8.77	2/17/2019 4:30 PM	8.70	2/18/2019 4:30 PM	8.53
2/16/2019 4:45 PM	8.78	2/17/2019 4:45 PM	8.71	2/18/2019 4:45 PM	8.52
2/16/2019 5:00 PM	8.78	2/17/2019 5:00 PM	8.70	2/18/2019 5:00 PM	8.53
2/16/2019 5:15 PM	8.78	2/17/2019 5:15 PM	8.70	2/18/2019 5:15 PM	8.52
2/16/2019 5:30 PM	8.77	2/17/2019 5:30 PM	8.65	2/18/2019 5:30 PM	8.52
2/16/2019 5:45 PM	8.77	2/17/2019 5:45 PM	8.62	2/18/2019 5:45 PM	8.52
2/16/2019 6:00 PM	8.76	2/17/2019 6:00 PM	8.61	2/18/2019 6:00 PM	8.52
2/16/2019 6:15 PM	8.76	2/17/2019 6:15 PM	8.61	2/18/2019 6:15 PM	8.53
2/16/2019 6:30 PM	8.76	2/17/2019 6:30 PM	8.61	2/18/2019 6:30 PM	8.53
2/16/2019 6:45 PM	8.76	2/17/2019 6:45 PM	8.66	2/18/2019 6:45 PM	8.61
2/16/2019 7:00 PM	8.76	2/17/2019 7:00 PM	8.70	2/18/2019 7:00 PM	8.61
2/16/2019 7:15 PM	8.76	2/17/2019 7:15 PM	8.71	2/18/2019 7:15 PM	8.61
2/16/2019 7:30 PM	8.76	2/17/2019 7:30 PM	8.71	2/18/2019 7:30 PM	8.61
2/16/2019 7:45 PM	8.76	2/17/2019 7:45 PM	8.70	2/18/2019 7:45 PM	8.60
2/16/2019 8:00 PM	8.76	2/17/2019 8:00 PM	8.70	2/18/2019 8:00 PM	8.60
2/16/2019 8:15 PM	8.76	2/17/2019 8:15 PM	8.69	2/18/2019 8:15 PM	8.60
2/16/2019 8:30 PM	8.76	2/17/2019 8:30 PM	8.69	2/18/2019 8:30 PM	8.56
2/16/2019 8:45 PM	8.76	2/17/2019 8:45 PM	8.69	2/18/2019 8:45 PM	8.51
2/16/2019 9:00 PM	8.76	2/17/2019 9:00 PM	8.69	2/18/2019 9:00 PM	8.51
2/16/2019 9:15 PM	8.76	2/17/2019 9:15 PM	8.69	2/18/2019 9:15 PM	8.51
2/16/2019 9:30 PM	8.76	2/17/2019 9:30 PM	8.70	2/18/2019 9:30 PM	8.51
2/16/2019 9:45 PM	8.76	2/17/2019 9:45 PM	8.70	2/18/2019 9:45 PM	8.50
2/16/2019 10:00 PM	8.76	2/17/2019 10:00 PM	8.63	2/18/2019 10:00 PM	8.50
2/16/2019 10:15 PM	8.76	2/17/2019 10:15 PM	8.60	2/18/2019 10:15 PM	8.59
2/16/2019 10:30 PM	8.77	2/17/2019 10:30 PM	8.60	2/18/2019 10:30 PM	8.61
2/16/2019 10:45 PM	8.77	2/17/2019 10:45 PM	8.60	2/18/2019 10:45 PM	8.61
2/16/2019 11:00 PM	8.77	2/17/2019 11:00 PM	8.59	2/18/2019 11:00 PM	8.61
2/16/2019 11:15 PM	8.77	2/17/2019 11:15 PM	8.66	2/18/2019 11:15 PM	8.60
2/16/2019 11:30 PM	8.72	2/17/2019 11:30 PM	8.70	2/18/2019 11:30 PM	8.60
2/16/2019 11:45 PM	8.70	2/17/2019 11:45 PM	8.70	2/18/2019 11:45 PM	8.60

AVG

8.75

AV

8.69

8.61

Date And Time	pH
2/19/2019 12:00 AM	8.60
2/19/2019 12:15 AM	8.60
2/19/2019 12:30 AM	8.60
2/19/2019 12:45 AM	8.60
2/19/2019 1:00 AM	8.52
2/19/2019 1:15 AM	8.50
2/19/2019 1:30 AM	8.50
2/19/2019 1:45 AM	8.53
2/19/2019 2:00 AM	8.60
2/19/2019 2:15 AM	8.61
2/19/2019 2:30 AM	8.61
2/19/2019 2:45 AM	8.60
2/19/2019 3:00 AM	8.60
2/19/2019 3:15 AM	8.60
2/19/2019 3:30 AM	8.60
2/19/2019 3:45 AM	8.60
2/19/2019 4:00 AM	8.60
2/19/2019 4:15 AM	8.61
2/19/2019 4:30 AM	8.60
2/19/2019 4:45 AM	8.61
2/19/2019 5:00 AM	8.61
2/19/2019 5:15 AM	8.61
2/19/2019 5:30 AM	8.52
2/19/2019 5:45 AM	8.49
2/19/2019 6:00 AM	8.50
2/19/2019 6:15 AM	8.53
2/19/2019 6:30 AM	8.60
2/19/2019 6:45 AM	8.61
2/19/2019 7:00 AM	8.61
2/19/2019 7:15 AM	8.60
2/19/2019 7:30 AM	8.60
2/19/2019 7:45 AM	8.58
2/19/2019 8:00 AM	8.58
2/19/2019 8:15 AM	8.59
2/19/2019 8:30 AM	8.58
2/19/2019 8:45 AM	8.58
2/19/2019 9:00 AM	8.58
2/19/2019 9:15 AM	8.58
2/19/2019 9:30 AM	8.58
2/19/2019 9:45 AM	8.58
2/19/2019 10:00 AM	8.57
2/19/2019 10:15 AM	8.48
2/19/2019 10:30 AM	8.48
2/19/2019 10:45 AM	8.48
2/19/2019 11:00 AM	8.50
2/19/2019 11:15 AM	8.58
2/19/2019 11:30 AM	8.59
2/19/2019 11:45 AM	8.60
2/19/2019 12:00 PM	8.60
2/19/2019 12:15 PM	8.60
2/19/2019 12:30 PM	8.60
2/19/2019 12:45 PM	8.60
2/19/2019 1:00 PM	8.59
2/19/2019 1:15 PM	8.58
2/19/2019 1:30 PM	8.57
2/19/2019 1:45 PM	8.57
2/19/2019 2:00 PM	8.57
2/19/2019 2:15 PM	8.56
2/19/2019 2:30 PM	8.54
2/19/2019 2:45 PM	8.50
2/19/2019 3:00 PM	8.49
2/19/2019 3:15 PM	8.52
2/19/2019 3:30 PM	8.57
2/19/2019 3:45 PM	8.57
2/19/2019 4:00 PM	8.57
2/19/2019 4:15 PM	8.57
2/19/2019 4:30 PM	8.56
2/19/2019 4:45 PM	8.56
2/19/2019 5:00 PM	8.55
2/19/2019 5:15 PM	8.55
2/19/2019 5:30 PM	8.55
2/19/2019 5:45 PM	8.55
2/19/2019 6:00 PM	8.55
2/19/2019 6:15 PM	8.55
2/19/2019 6:30 PM	8.55
2/19/2019 6:45 PM	8.55
2/19/2019 7:00 PM	8.49
2/19/2019 7:15 PM	8.47
2/19/2019 7:30 PM	8.47
2/19/2019 7:45 PM	8.45
2/19/2019 8:00 PM	8.45
2/19/2019 8:15 PM	8.46
2/19/2019 8:30 PM	8.48
2/19/2019 8:45 PM	8.53
2/19/2019 9:00 PM	8.53
2/19/2019 9:15 PM	8.55
2/19/2019 9:30 PM	8.55
2/19/2019 9:45 PM	8.54
2/19/2019 10:00 PM	8.54
2/19/2019 10:15 PM	8.53
2/19/2019 10:30 PM	8.53
2/19/2019 10:45 PM	8.53
2/19/2019 11:00 PM	8.53
2/19/2019 11:15 PM	8.53
2/19/2019 11:30 PM	8.47

AVG

8.56

AVC

Date And Time	pH
2/21/2019 12:00 AM	8.47
2/21/2019 12:15 AM	8.47
2/21/2019 12:30 AM	8.46
2/21/2019 12:45 AM	8.46
2/21/2019 1:00 AM	8.46
2/21/2019 1:15 AM	8.45
2/21/2019 1:30 AM	8.45
2/21/2019 1:45 AM	8.45
2/21/2019 2:00 AM	8.45
2/21/2019 2:15 AM	8.45
2/21/2019 2:30 AM	8.40
2/21/2019 2:45 AM	8.36
2/21/2019 3:00 AM	8.35
2/21/2019 3:15 AM	8.35
2/21/2019 3:30 AM	8.35
2/21/2019 3:45 AM	8.42
2/21/2019 4:00 AM	8.45
2/21/2019 4:15 AM	8.45
2/21/2019 4:30 AM	8.45
2/21/2019 4:45 AM	8.45
2/21/2019 5:00 AM	8.44
2/21/2019 5:15 AM	8.43
2/21/2019 5:30 AM	8.43
2/21/2019 5:45 AM	8.42
2/21/2019 6:00 AM	8.42
2/21/2019 6:15 AM	8.42
2/21/2019 6:30 AM	8.42
2/21/2019 6:45 AM	8.42
2/21/2019 7:00 AM	8.37
2/21/2019 7:15 AM	8.34
2/21/2019 7:30 AM	8.34
2/21/2019 7:45 AM	8.34
2/21/2019 8:00 AM	8.36
2/21/2019 8:15 AM	8.41
2/21/2019 8:30 AM	8.43
2/21/2019 8:45 AM	8.43
2/21/2019 9:00 AM	8.44
2/21/2019 9:15 AM	8.43
2/21/2019 9:30 AM	8.43
2/21/2019 9:45 AM	8.43
2/21/2019 10:00 AM	8.42
2/21/2019 10:15 AM	8.43
2/21/2019 10:30 AM	8.43
2/21/2019 10:45 AM	8.43
2/21/2019 11:00 AM	8.43
2/21/2019 11:15 AM	8.42
2/21/2019 11:30 AM	8.42
2/21/2019 11:45 AM	8.36
2/21/2019 12:00 PM	8.33
2/21/2019 12:15 PM	8.33
2/21/2019 12:30 PM	8.36
2/21/2019 12:45 PM	8.38
2/21/2019 1:00 PM	8.39
2/21/2019 1:15 PM	8.41
2/21/2019 1:30 PM	8.42
2/21/2019 1:45 PM	8.42
2/21/2019 2:00 PM	8.42
2/21/2019 2:15 PM	8.43
2/21/2019 2:30 PM	8.41
2/21/2019 2:45 PM	8.41
2/21/2019 3:00 PM	8.40
2/21/2019 3:15 PM	8.39
2/21/2019 3:30 PM	8.38
2/21/2019 3:45 PM	8.37
2/21/2019 4:00 PM	8.36
2/21/2019 4:15 PM	8.41
2/21/2019 4:30 PM	8.41
2/21/2019 4:45 PM	8.39
2/21/2019 5:00 PM	8.37
2/21/2019 5:15 PM	8.36
2/21/2019 5:30 PM	8.35
2/21/2019 5:45 PM	8.37
2/21/2019 6:00 PM	8.38
2/21/2019 6:15 PM	8.39
2/21/2019 6:30 PM	8.39
2/21/2019 6:45 PM	8.38
2/21/2019 7:00 PM	8.38
2/21/2019 7:15 PM	8.38
2/21/2019 7:30 PM	8.38
2/21/2019 7:45 PM	8.38
2/21/2019 8:00 PM	8.38
2/21/2019 8:15 PM	8.38
2/21/2019 8:30 PM	8.35
2/21/2019 8:45 PM	8.34
2/21/2019 9:00 PM	8.33
2/21/2019 9:15 PM	8.33
2/21/2019 9:30 PM	8.33
2/21/2019 9:45 PM	8.33
2/21/2019 10:00 PM	8.33
2/21/2019 10:15 PM	8.33
2/21/2019 10:30 PM	8.34
2/21/2019 10:45 PM	8.34
2/21/2019 11:00 PM	8.38
2/21/2019 11:15 PM	8.38
2/21/2019 11:30 PM	8.38
2/21/2019 11:45 PM	8.39

Aw

8

Date And Time	pH	Date And Time	pH	Date And Time	pH
2/22/2019 12:00 AM	8.38	2/23/2019 12:00 AM	8.33	2/24/2019 12:00 AM	8.37
2/22/2019 12:15 AM	8.38	2/23/2019 12:15 AM	8.32	2/24/2019 12:15 AM	8.37
2/22/2019 12:30 AM	8.38	2/23/2019 12:30 AM	8.32	2/24/2019 12:30 AM	8.37
2/22/2019 12:45 AM	8.38	2/23/2019 12:45 AM	8.32	2/24/2019 12:45 AM	8.36
2/22/2019 1:00 AM	8.34	2/23/2019 1:00 AM	8.32	2/24/2019 1:00 AM	8.36
2/22/2019 1:15 AM	8.33	2/23/2019 1:15 AM	8.36	2/24/2019 1:15 AM	8.36
2/22/2019 1:30 AM	8.32	2/23/2019 1:30 AM	8.39	2/24/2019 1:30 AM	8.36
2/22/2019 1:45 AM	8.33	2/23/2019 1:45 AM	8.41	2/24/2019 1:45 AM	8.35
2/22/2019 2:00 AM	8.32	2/23/2019 2:00 AM	8.41	2/24/2019 2:00 AM	8.36
2/22/2019 2:15 AM	8.33	2/23/2019 2:15 AM	8.41	2/24/2019 2:15 AM	8.36
2/22/2019 2:30 AM	8.32	2/23/2019 2:30 AM	8.40	2/24/2019 2:30 AM	8.29
2/22/2019 2:45 AM	8.32	2/23/2019 2:45 AM	8.40	2/24/2019 2:45 AM	8.26
2/22/2019 3:00 AM	8.35	2/23/2019 3:00 AM	8.40	2/24/2019 3:00 AM	8.26
2/22/2019 3:15 AM	8.38	2/23/2019 3:15 AM	8.39	2/24/2019 3:15 AM	8.26
2/22/2019 3:30 AM	8.39	2/23/2019 3:30 AM	8.39	2/24/2019 3:30 AM	8.26
2/22/2019 3:45 AM	8.40	2/23/2019 3:45 AM	8.39	2/24/2019 3:45 AM	8.26
2/22/2019 4:00 AM	8.40	2/23/2019 4:00 AM	8.34	2/24/2019 4:00 AM	8.34
2/22/2019 4:15 AM	8.40	2/23/2019 4:15 AM	8.32	2/24/2019 4:15 AM	8.36
2/22/2019 4:30 AM	8.40	2/23/2019 4:30 AM	8.32	2/24/2019 4:30 AM	8.36
2/22/2019 4:45 AM	8.40	2/23/2019 4:45 AM	8.31	2/24/2019 4:45 AM	8.35
2/22/2019 5:00 AM	8.40	2/23/2019 5:00 AM	8.31	2/24/2019 5:00 AM	8.35
2/22/2019 5:15 AM	8.39	2/23/2019 5:15 AM	8.31	2/24/2019 5:15 AM	8.35
2/22/2019 5:30 AM	8.37	2/23/2019 5:30 AM	8.31	2/24/2019 5:30 AM	8.34
2/22/2019 5:45 AM	8.35	2/23/2019 5:45 AM	8.37	2/24/2019 5:45 AM	8.34
2/22/2019 6:00 AM	8.34	2/23/2019 6:00 AM	8.40	2/24/2019 6:00 AM	8.33
2/22/2019 6:15 AM	8.33	2/23/2019 6:15 AM	8.40	2/24/2019 6:15 AM	8.34
2/22/2019 6:30 AM	8.33	2/23/2019 6:30 AM	8.40	2/24/2019 6:30 AM	8.34
2/22/2019 6:45 AM	8.33	2/23/2019 6:45 AM	8.40	2/24/2019 6:45 AM	8.33
2/22/2019 7:00 AM	8.33	2/23/2019 7:00 AM	8.39	2/24/2019 7:00 AM	8.28
2/22/2019 7:15 AM	8.37	2/23/2019 7:15 AM	8.39	2/24/2019 7:15 AM	8.25
2/22/2019 7:30 AM	8.40	2/23/2019 7:30 AM	8.38	2/24/2019 7:30 AM	8.24
2/22/2019 7:45 AM	8.41	2/23/2019 7:45 AM	8.38	2/24/2019 7:45 AM	8.24
2/22/2019 8:00 AM	8.41	2/23/2019 8:00 AM	8.38	2/24/2019 8:00 AM	8.24
2/22/2019 8:15 AM	8.41	2/23/2019 8:15 AM	8.38	2/24/2019 8:15 AM	8.23
2/22/2019 8:30 AM	8.41	2/23/2019 8:30 AM	8.34	2/24/2019 8:30 AM	8.24
2/22/2019 8:45 AM	8.41	2/23/2019 8:45 AM	8.31	2/24/2019 8:45 AM	8.31
2/22/2019 9:00 AM	8.41	2/23/2019 9:00 AM	8.30	2/24/2019 9:00 AM	8.33
2/22/2019 9:15 AM	8.41	2/23/2019 9:15 AM	8.30	2/24/2019 9:15 AM	8.34
2/22/2019 9:30 AM	8.40	2/23/2019 9:30 AM	8.30	2/24/2019 9:30 AM	8.35
2/22/2019 9:45 AM	8.40	2/23/2019 9:45 AM	8.30	2/24/2019 9:45 AM	8.35
2/22/2019 10:00 AM	8.38	2/23/2019 10:00 AM	8.30	2/24/2019 10:00 AM	8.35
2/22/2019 10:15 AM	8.35	2/23/2019 10:15 AM	8.30	2/24/2019 10:15 AM	8.34
2/22/2019 10:30 AM	8.34	2/23/2019 10:30 AM	8.30	2/24/2019 10:30 AM	8.34
2/22/2019 10:45 AM	8.33	2/23/2019 10:45 AM	8.37	2/24/2019 10:45 AM	8.34
2/22/2019 11:00 AM	8.33	2/23/2019 11:00 AM	8.40	2/24/2019 11:00 AM	8.33
2/22/2019 11:15 AM	8.33	2/23/2019 11:15 AM	8.40	2/24/2019 11:15 AM	8.34
2/22/2019 11:30 AM	8.33	2/23/2019 11:30 AM	8.40	2/24/2019 11:30 AM	8.33
2/22/2019 11:45 AM	8.37	2/23/2019 11:45 AM	8.30	2/24/2019 11:45 AM	8.25
2/22/2019 12:00 PM	8.33	2/23/2019 12:00 PM	8.30	2/24/2019 12:00 PM	8.22
2/22/2019 12:15 PM	8.32	2/23/2019 12:15 PM	8.30	2/24/2019 12:15 PM	8.22
2/22/2019 12:30 PM	8.32	2/23/2019 12:30 PM	8.30	2/24/2019 12:30 PM	8.22
2/22/2019 12:45 PM	8.32	2/23/2019 12:45 PM	8.30	2/24/2019 12:45 PM	8.22
2/22/2019 1:00 PM	8.41	2/23/2019 1:00 PM	8.32	2/24/2019 1:00 PM	8.23
2/22/2019 1:15 PM	8.40	2/23/2019 1:15 PM	8.30	2/24/2019 1:15 PM	8.25
2/22/2019 1:30 PM	8.39	2/23/2019 1:30 PM	8.30	2/24/2019 1:30 PM	8.27
2/22/2019 1:45 PM	8.38	2/23/2019 1:45 PM	8.29	2/24/2019 1:45 PM	8.26
2/22/2019 2:00 PM	8.38	2/23/2019 2:00 PM	8.29	2/24/2019 2:00 PM	8.30
2/22/2019 2:15 PM	8.38	2/23/2019 2:15 PM	8.30	2/24/2019 2:15 PM	8.29
2/22/2019 2:30 PM	8.37	2/23/2019 2:30 PM	8.29	2/24/2019 2:30 PM	8.27
2/22/2019 2:45 PM	8.34	2/23/2019 2:45 PM	8.35	2/24/2019 2:45 PM	8.27
2/22/2019 3:00 PM	8.33	2/23/2019 3:00 PM	8.39	2/24/2019 3:00 PM	8.26
2/22/2019 3:15 PM	8.33	2/23/2019 3:15 PM	8.39	2/24/2019 3:15 PM	8.24
2/22/2019 3:30 PM	8.33	2/23/2019 3:30 PM	8.39	2/24/2019 3:30 PM	8.23
2/22/2019 3:45 PM	8.33	2/23/2019 3:45 PM	8.39	2/24/2019 3:45 PM	8.24
2/22/2019 4:00 PM	8.33	2/23/2019 4:00 PM	8.38	2/24/2019 4:00 PM	8.24
2/22/2019 4:15 PM	8.37	2/23/2019 4:15 PM	8.38	2/24/2019 4:15 PM	8.32
2/22/2019 4:30 PM	8.40	2/23/2019 4:30 PM	8.38	2/24/2019 4:30 PM	8.31
2/22/2019 4:45 PM	8.41	2/23/2019 4:45 PM	8.38	2/24/2019 4:45 PM	8.29
2/22/2019 5:00 PM	8.40	2/23/2019 5:00 PM	8.38	2/24/2019 5:00 PM	8.28
2/22/2019 5:15 PM	8.40	2/23/2019 5:15 PM	8.38	2/24/2019 5:15 PM	8.27
2/22/2019 5:30 PM	8.39	2/23/2019 5:30 PM	8.33	2/24/2019 5:30 PM	8.28
2/22/2019 5:45 PM	8.39	2/23/2019 5:45 PM	8.28	2/24/2019 5:45 PM	8.30
2/22/2019 6:00 PM	8.39	2/23/2019 6:00 PM	8.29	2/24/2019 6:00 PM	8.31
2/22/2019 6:15 PM	8.40	2/23/2019 6:15 PM	8.29	2/24/2019 6:15 PM	8.31
2/22/2019 6:30 PM	8.40	2/23/2019 6:30 PM	8.29	2/24/2019 6:30 PM	8.31
2/22/2019 6:45 PM	8.39	2/23/2019 6:45 PM	8.28	2/24/2019 6:45 PM	8.30
2/22/2019 7:00 PM	8.35	2/23/2019 7:00 PM	8.28	2/24/2019 7:00 PM	8.30
2/22/2019 7:15 PM	8.33	2/23/2019 7:15 PM	8.33	2/24/2019 7:15 PM	8.30
2/22/2019 7:30 PM	8.33	2/23/2019 7:30 PM	8.38	2/24/2019 7:30 PM	8.30
2/22/2019 7:45 PM	8.32	2/23/2019 7:45 PM	8.39	2/24/2019 7:45 PM	8.30
2/22/2019 8:00 PM	8.32	2/23/2019 8:00 PM	8.39	2/24/2019 8:00 PM	8.30
2/22/2019 8:15 PM	8.32	2/23/2019 8:15 PM	8.39	2/24/2019 8:15 PM	8.30
2/22/2019 8:30 PM	8.32	2/23/2019 8:30 PM	8.38	2/24/2019 8:30 PM	8.25
2/22/2019 8:45 PM	8.36	2/23/2019 8:45 PM	8.38	2/24/2019 8:45 PM	8.24
2/22/2019 9:00 PM	8.39	2/23/2019 9:00 PM	8.37	2/24/2019 9:00 PM	8.24
2/22/2019 9:15 PM	8.41	2/23/2019 9:15 PM	8.37	2/24/2019 9:15 PM	8.23
2/22/2019 9:30 PM	8.41	2/23/2019 9:30 PM	8.36	2/24/2019 9:30 PM	8.22
2/22/2019 9:45 PM	8.41	2/23/2019 9:45 PM	8.37	2/24/2019 9:45 PM	8.21
2/22/2019 10:00 PM	8.41	2/23/2019 10:00 PM	8.31	2/24/2019 10:00 PM	8.22
2/22/2019 10:15 PM	8.41	2/23/2019 10:15 PM	8.29	2/24/2019 10:15 PM	8.22
2/22/2019 10:30 PM	8.41	2/23/2019 10:30 PM	8.28	2/24/2019 10:30 PM	8.27
2/22/2019 10:45 PM	8.40	2/23/2019 10:45 PM	8.28	2/24/2019 10:45 PM	8.28
2/22/2019 11:00 PM	8.40	2/23/2019 11:00 PM	8.28	2/24/2019 11:00 PM	8.28
2/22/2019 11:15 PM	8.40	2/23/2019 11:15 PM	8.27	2/24/2019 11:15 PM	8.28
2/22/2019 11:30 PM	8.36	2/23/2019 11:30 PM	8.32	2/24/2019 11:30 PM	8.28
2/22/2019 11:45 PM	8.34	2/23/2019 11:45 PM	8.37	2/24/2019 11:45 PM	8.28

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8.37

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8.29

Date And Time	pH	Date And Time	pH	Date And Time	pH
2/25/2019 12:00 AM	8.28	2/26/2019 12:00 AM	8.10	2/27/2019 12:00 AM	8.10
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2/25/2019 12:30 AM	8.28	2/26/2019 12:30 AM	8.10	2/27/2019 12:30 AM	8.18
2/25/2019 12:45 AM	8.28	2/26/2019 12:45 AM	8.10	2/27/2019 12:45 AM	8.18
2/25/2019 1:00 AM	8.22	2/26/2019 1:00 AM	8.10	2/27/2019 1:00 AM	8.18
2/25/2019 1:15 AM	8.19	2/26/2019 1:15 AM	8.11	2/27/2019 1:15 AM	8.18
2/25/2019 1:30 AM	8.19	2/26/2019 1:30 AM	8.16	2/27/2019 1:30 AM	8.17
2/25/2019 1:45 AM	8.19	2/26/2019 1:45 AM	8.18	2/27/2019 1:45 AM	8.16
2/25/2019 2:00 AM	8.19	2/26/2019 2:00 AM	8.18	2/27/2019 2:00 AM	8.16
2/25/2019 2:15 AM	8.19	2/26/2019 2:15 AM	8.18	2/27/2019 2:15 AM	8.15
2/25/2019 2:30 AM	8.24	2/26/2019 2:30 AM	8.18	2/27/2019 2:30 AM	8.10
2/25/2019 2:45 AM	8.27	2/26/2019 2:45 AM	8.17	2/27/2019 2:45 AM	8.08
2/25/2019 3:00 AM	8.27	2/26/2019 3:00 AM	8.17	2/27/2019 3:00 AM	8.08
2/25/2019 3:15 AM	8.27	2/26/2019 3:15 AM	8.17	2/27/2019 3:15 AM	8.08
2/25/2019 3:30 AM	8.26	2/26/2019 3:30 AM	8.17	2/27/2019 3:30 AM	8.08
2/25/2019 3:45 AM	8.26	2/26/2019 3:45 AM	8.16	2/27/2019 3:45 AM	8.08
2/25/2019 4:00 AM	8.26	2/26/2019 4:00 AM	8.12	2/27/2019 4:00 AM	8.10
2/25/2019 4:15 AM	8.26	2/26/2019 4:15 AM	8.09	2/27/2019 4:15 AM	8.14
2/25/2019 4:30 AM	8.26	2/26/2019 4:30 AM	8.09	2/27/2019 4:30 AM	8.14
2/25/2019 4:45 AM	8.26	2/26/2019 4:45 AM	8.09	2/27/2019 4:45 AM	8.14
2/25/2019 5:00 AM	8.26	2/26/2019 5:00 AM	8.08	2/27/2019 5:00 AM	8.14
2/25/2019 5:15 AM	8.26	2/26/2019 5:15 AM	8.08	2/27/2019 5:15 AM	8.14
2/25/2019 5:30 AM	8.19	2/26/2019 5:30 AM	8.09	2/27/2019 5:30 AM	8.14
2/25/2019 5:45 AM	8.17	2/26/2019 5:45 AM	8.08	2/27/2019 5:45 AM	8.14
2/25/2019 6:00 AM	8.17	2/26/2019 6:00 AM	8.09	2/27/2019 6:00 AM	8.14
2/25/2019 6:15 AM	8.17	2/26/2019 6:15 AM	8.14	2/27/2019 6:15 AM	8.14
2/25/2019 6:30 AM	8.16	2/26/2019 6:30 AM	8.18	2/27/2019 6:30 AM	8.13
2/25/2019 6:45 AM	8.17	2/26/2019 6:45 AM	8.18	2/27/2019 6:45 AM	8.13
2/25/2019 7:00 AM	8.22	2/26/2019 7:00 AM	8.20	2/27/2019 7:00 AM	8.06
2/25/2019 7:15 AM	8.26	2/26/2019 7:15 AM	8.17	2/27/2019 7:15 AM	8.04
2/25/2019 7:30 AM	8.26	2/26/2019 7:30 AM	8.16	2/27/2019 7:30 AM	8.05
2/25/2019 7:45 AM	8.25	2/26/2019 7:45 AM	8.15	2/27/2019 7:45 AM	8.05
2/25/2019 8:00 AM	8.25	2/26/2019 8:00 AM	8.15	2/27/2019 8:00 AM	8.06
2/25/2019 8:15 AM	8.24	2/26/2019 8:15 AM	8.15	2/27/2019 8:15 AM	8.07
2/25/2019 8:30 AM	8.24	2/26/2019 8:30 AM	8.10	2/27/2019 8:30 AM	8.12
2/25/2019 8:45 AM	8.24	2/26/2019 8:45 AM	8.07	2/27/2019 8:45 AM	8.11
2/25/2019 9:00 AM	8.24	2/26/2019 9:00 AM	8.06	2/27/2019 9:00 AM	8.10
2/25/2019 9:15 AM	8.24	2/26/2019 9:15 AM	8.06	2/27/2019 9:15 AM	8.09
2/25/2019 9:30 AM	8.24	2/26/2019 9:30 AM	8.05	2/27/2019 9:30 AM	8.09
2/25/2019 9:45 AM	8.25	2/26/2019 9:45 AM	8.05	2/27/2019 9:45 AM	8.09
2/25/2019 10:00 AM	8.21	2/26/2019 10:00 AM	8.10	2/27/2019 10:00 AM	8.10
2/25/2019 10:15 AM	8.15	2/26/2019 10:15 AM	8.10	2/27/2019 10:15 AM	8.10
2/25/2019 10:30 AM	8.15	2/26/2019 10:30 AM	8.11	2/27/2019 10:30 AM	8.10
2/25/2019 10:45 AM	8.14	2/26/2019 10:45 AM	8.17	2/27/2019 10:45 AM	8.11
2/25/2019 11:00 AM	8.14	2/26/2019 11:00 AM	8.18	2/27/2019 11:00 AM	8.11
2/25/2019 11:15 AM	8.20	2/26/2019 11:15 AM	8.14	2/27/2019 11:15 AM	8.13
2/25/2019 11:30 AM	8.23	2/26/2019 11:30 AM	8.19	2/27/2019 11:30 AM	8.13
2/25/2019 11:45 AM	8.25	2/26/2019 11:45 AM	8.20	2/27/2019 11:45 AM	8.07
2/25/2019 12:00 PM	8.26	2/26/2019 12:00 PM	8.14	2/27/2019 12:00 PM	8.05
2/25/2019 12:15 PM	8.26	2/26/2019 12:15 PM	8.19	2/27/2019 12:15 PM	8.05
2/25/2019 12:30 PM	8.26	2/26/2019 12:30 PM	8.20	2/27/2019 12:30 PM	8.05
2/25/2019 12:45 PM	8.26	2/26/2019 12:45 PM	8.21	2/27/2019 12:45 PM	8.06
2/25/2019 1:00 PM	8.26	2/26/2019 1:00 PM	8.24	2/27/2019 1:00 PM	8.11
2/25/2019 1:15 PM	8.26	2/26/2019 1:15 PM	8.23	2/27/2019 1:15 PM	8.13
2/25/2019 1:30 PM	8.25	2/26/2019 1:30 PM	8.23	2/27/2019 1:30 PM	8.14
2/25/2019 1:45 PM	8.23	2/26/2019 1:45 PM	8.22	2/27/2019 1:45 PM	8.15
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2/25/2019 2:15 PM	8.22	2/26/2019 2:15 PM	8.16	2/27/2019 2:15 PM	8.14
2/25/2019 2:30 PM	8.21	2/26/2019 2:30 PM	8.04	2/27/2019 2:30 PM	8.13
2/25/2019 2:45 PM	8.20	2/26/2019 2:45 PM Pump Off	7.82	2/27/2019 2:45 PM	8.12
2/25/2019 3:00 PM	8.19	2/26/2019 3:00 PM	7.82	2/27/2019 3:00 PM	8.11
2/25/2019 3:15 PM	8.17	2/26/2019 3:15 PM	8.04	2/27/2019 3:15 PM	8.10
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2/25/2019 4:45 PM	8.21	2/26/2019 4:45 PM	8.18	2/27/2019 4:45 PM	8.02
2/25/2019 5:00 PM	8.21	2/26/2019 5:00 PM	8.20	2/27/2019 5:00 PM	8.02
2/25/2019 5:15 PM	8.21	2/26/2019 5:15 PM	8.20	2/27/2019 5:15 PM	8.02
2/25/2019 5:30 PM	8.20	2/26/2019 5:30 PM	8.17	2/27/2019 5:30 PM	8.02
2/25/2019 5:45 PM	8.20	2/26/2019 5:45 PM	8.14	2/27/2019 5:45 PM	8.02
2/25/2019 6:00 PM	8.20	2/26/2019 6:00 PM	8.14	2/27/2019 6:00 PM	8.07
2/25/2019 6:15 PM	8.20	2/26/2019 6:15 PM	8.14	2/27/2019 6:15 PM	8.08
2/25/2019 6:30 PM	8.20	2/26/2019 6:30 PM	8.13	2/27/2019 6:30 PM	8.07
2/25/2019 6:45 PM	8.20	2/26/2019 6:45 PM	8.14	2/27/2019 6:45 PM	8.07
2/25/2019 7:00 PM	8.14	2/26/2019 7:00 PM	8.13	2/27/2019 7:00 PM	8.07
2/25/2019 7:15 PM	8.12	2/26/2019 7:15 PM	8.13	2/27/2019 7:15 PM	8.07
2/25/2019 7:30 PM	8.12	2/26/2019 7:30 PM	8.17	2/27/2019 7:30 PM	8.06
2/25/2019 7:45 PM	8.12	2/26/2019 7:45 PM	8.20	2/27/2019 7:45 PM	8.06
2/25/2019 8:00 PM	8.11	2/26/2019 8:00 PM	8.20	2/27/2019 8:00 PM	8.06
2/25/2019 8:15 PM	8.11	2/26/2019 8:15 PM	8.20	2/27/2019 8:15 PM	8.06
2/25/2019 8:30 PM	8.11	2/26/2019 8:30 PM	8.20	2/27/2019 8:30 PM	8.00
2/25/2019 8:45 PM	8.11	2/26/2019 8:45 PM	8.20	2/27/2019 8:45 PM	8.00
2/25/2019 9:00 PM	8.11	2/26/2019 9:00 PM	8.19	2/27/2019 9:00 PM	8.00
2/25/2019 9:15 PM	8.13	2/26/2019 9:15 PM	8.18	2/27/2019 9:15 PM	8.00
2/25/2019 9:30 PM	8.17	2/26/2019 9:30 PM	8.18	2/27/2019 9:30 PM	8.00
2/25/2019 9:45 PM	8.18	2/26/2019 9:45 PM	8.17	2/27/2019 9:45 PM	8.00
2/25/2019 10:00 PM	8.18	2/26/2019 10:00 PM	8.10	2/27/2019 10:00 PM	8.00
2/25/2019 10:15 PM	8.18	2/26/2019 10:15 PM	8.09	2/27/2019 10:15 PM	8.03
2/25/2019 10:30 PM	8.18	2/26/2019 10:30 PM	8.10	2/27/2019 10:30 PM	8.06
2/25/2019 10:45 PM	8.18	2/26/2019 10:45 PM	8.10	2/27/2019 10:45 PM	8.06
2/25/2019 11:00 PM	8.18	2/26/2019 11:00 PM	8.09	2/27/2019 11:00 PM	8.05
2/25/2019 11:15 PM	8.17	2/26/2019 11:15 PM	8.09	2/27/2019 11:15 PM	8.05
2/25/2019 11:30 PM	8.13	2/26/2019 11:30 PM	8.09	2/27/2019 11:30 PM	8.04
2/25/2019 11:45 PM	8.10	2/26/2019 11:45 PM	8.09	2/27/2019 11:45 PM	8.04

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Date And Time	pH
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2/28/2019 12:30 AM	8.03
2/28/2019 12:45 AM	8.03
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2/28/2019 1:15 AM	7.98
2/28/2019 1:30 AM	7.99
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2/28/2019 2:00 AM	7.98
2/28/2019 2:15 AM	7.98
2/28/2019 2:30 AM	7.98
2/28/2019 2:45 AM	7.98
2/28/2019 3:00 AM	8.00
2/28/2019 3:15 AM	8.06
2/28/2019 3:30 AM	8.06
2/28/2019 3:45 AM	8.05
2/28/2019 4:00 AM	8.04
2/28/2019 4:15 AM	8.03
2/28/2019 4:30 AM	8.03
2/28/2019 4:45 AM	8.03
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2/28/2019 5:15 AM	8.02
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2/28/2019 6:15 AM	7.98
2/28/2019 6:30 AM	7.98
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2/28/2019 7:00 AM	7.98
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2/28/2019 7:30 AM	8.05
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2/28/2019 8:15 AM	8.03
2/28/2019 8:30 AM	8.02
2/28/2019 8:45 AM	8.03
2/28/2019 9:00 AM	8.03
2/28/2019 9:15 AM	8.03
2/28/2019 9:30 AM	8.03
2/28/2019 9:45 AM	8.03
2/28/2019 10:00 AM	8.03
2/28/2019 10:15 AM	7.97
2/28/2019 10:30 AM	7.97
2/28/2019 10:45 AM	7.97
2/28/2019 11:00 AM	7.96
2/28/2019 11:15 AM	7.97
2/28/2019 11:30 AM	8.00
2/28/2019 11:45 AM	8.04
2/28/2019 12:00 PM	8.05
2/28/2019 12:15 PM	8.06
2/28/2019 12:30 PM	8.08
2/28/2019 12:45 PM	8.09
2/28/2019 1:00 PM	8.09
2/28/2019 1:15 PM	8.09
2/28/2019 1:30 PM	8.09
2/28/2019 1:45 PM	8.09
2/28/2019 2:00 PM	8.10
2/28/2019 2:15 PM	8.09
2/28/2019 2:30 PM	8.06
2/28/2019 2:45 PM	8.07
2/28/2019 3:00 PM	8.05
2/28/2019 3:15 PM	8.03
2/28/2019 3:30 PM	8.02
2/28/2019 3:45 PM	8.02
2/28/2019 4:00 PM	8.01
2/28/2019 4:15 PM	8.04
2/28/2019 4:30 PM	8.05
2/28/2019 4:45 PM	8.05
2/28/2019 5:00 PM	8.05
2/28/2019 5:15 PM	8.04
2/28/2019 5:30 PM	8.04
2/28/2019 5:45 PM	8.04
2/28/2019 6:00 PM	8.04
2/28/2019 6:15 PM	8.03
2/28/2019 6:30 PM	8.03
2/28/2019 6:45 PM	8.02
2/28/2019 7:00 PM	7.98
2/28/2019 7:15 PM	7.97
2/28/2019 7:30 PM	7.97
2/28/2019 7:45 PM	7.97
2/28/2019 8:00 PM	7.97
2/28/2019 8:15 PM	7.96
2/28/2019 8:30 PM	7.96
2/28/2019 8:45 PM	7.97
2/28/2019 9:00 PM	7.96
2/28/2019 9:15 PM	8.02
2/28/2019 9:30 PM	8.02
2/28/2019 9:45 PM	8.02
2/28/2019 10:00 PM	8.01
2/28/2019 10:15 PM	8.01
2/28/2019 10:30 PM	8.01
2/28/2019 10:45 PM	8.01
2/28/2019 11:00 PM	8.00
2/28/2019 11:15 PM	8.01
2/28/2019 11:30 PM	7.96
2/28/2019 11:45 PM	7.95

MIN	7.70
MAX	9.00

AVG

8.02

Avtex Fibers  
Front Royal, VA  
Outfall 004  
February 2019 DMR

<u>Sample Date</u>	<u>Sample ID</u>	<u>BOD, mg/L</u>	<u>BOD, kg/d</u>	<u>TSS, mg/L</u>	<u>TSS, kg/d</u>
2/4/2019	AF 2-4FE	0.0	0.0	0.0	0.0
2/12/2019	AF 2-12FE	0.0	0.0	0.0	0.0
2/21/2019	AF 2-21FE	0.0	0.0	1.4	0.3
2/25/2019	AF 2-25FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	1.4	0.3
Monthly Avg:		0.0	0.0	0.4	0.1

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

<b>Loading Derivation</b>	
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)	
--> (1 mg/L)(1 MG/day)(3,785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day	
--> lbs/day = ppm * 8.34 * MGD	
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d	
<b>Concentration Derivation</b>	
If 1 lb/d and 1 MGD (= 1 MG/day)	
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]	
--> ppm = lb/d * (1/8.34) * (1/MGD)	

#### BOD

2/4/2019	0
2/12/2019	0
2/21/2019	0
2/25/2019	0

AVG

0

#### TSS

2/4/2019	0
2/12/2019	0
2/21/2019	0.264560564
2/25/2019	0

AVG

0.066140141

#### CS2\*

2/12/2019	0.220	ug/L
2/12/2019	0.000220	mg/L
2/12/2019	0.0001	kg/d

\*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L  
MDL 1.2 ug/L



FMC Corporation  
2929 Walnut Street  
Philadelphia, PA 19104  
USA

*Transmitted via Email*

215.299.6000  
[fmc.com](http://fmc.com)

April 9, 2019

Department of Environmental Quality - CO  
Office of Remediation Program  
P.O. Box 1105  
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – March 2019  
Avtex Fibers Superfund Site  
Front Royal, Virginia

Dear Mr. Jordan:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of March 2019. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

Also included with this submittal are the wet weather PCB analytical data. The PCB samples were collected on December 27, 2018, and the finalized, validated analytical data were received in March 2019. Per EPA PCB reporting requirements, hard copies of the lab report and EDD files will be submitted on a CD and placed in the mail. Should you have questions or comments, please feel free to contact me at (215)299-6210 or Heather Philip at (315) 418-0048.

Sincerely,  
FMC Corporation



Brian M. McGinnis, P.E.  
Manager, Environmental Remediation

cc: via Email

Brandon Kiracofe, DEQ  
Jeffrey Thomas, USEPA  
Heather Philip, Parsons

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																			OMB No. 2040-004		
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218								
	ADDRESS:	404 Kendrick Lane			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:										
Front Royal, VA 22630			MONITORING PERIOD						GLTP EFFLUENT (OUTFALL 004)												
FACILITY:	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall											
LOCATION:	FRONT ROYAL, VA			FROM	19	03	01	TO	19	03	31	No Discharge									
ATTN:																					
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE						
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS											
FLOW	SAMPLE MEASUREMENT	0.079			0.090	MGD	*****	*****	*****		0	CONTINUOUS	TIRE								
00056 1 0	PERMIT REQUIREMENT	REPORT MONTHLY AV			REPORT DAILY MAX		*****	*****	*****				CONTINUOUS	TIRE							
EFFLUENT GROSS	SAMPLE MEASUREMENT	*****			*****		7.47	*****	8.05	SU	0	CONTINUOUS	GRAB								
PH	PERMIT REQUIREMENT	*****			*****		MINIMUM	6.5	*****		9.0	MAXIMUM		CONTINUOUS	GRAB						
00400 1 0	SAMPLE MEASUREMENT	<QL			<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC								
EFFLUENT GROSS	PERMIT REQUIREMENT	36			96		*****	24	64		DAILY MX			1/7	8 HC						
BOD, 5-DAY	SAMPLE MEASUREMENT	<QL			<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC								
00318 1 0	PERMIT REQUIREMENT	MONTHLY AV			DAILY MAX		*****	MONTHLY AV	64		DAILY MX			1/7	8 HC						
EFFLUENT GROSS	SAMPLE MEASUREMENT	<QL			<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC								
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	60			190		*****	40	130		DAILY MX			1/7	8 HC						
03603 1 0	SAMPLE MEASUREMENT	MONTHLY AV			DAILY MAX	kg/d	*****	MONTHLY AV	130	mg/L	0	1/7	8 HC								
EFFLUENT GROSS	PERMIT REQUIREMENT	MONTHLY AV			DAILY MAX		*****	MONTHLY AV	130		DAILY MX			1/7	8 HC						
CARBON DISULFIDE	SAMPLE MEASUREMENT	<QL			<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC								
77041 1 0	PERMIT REQUIREMENT	NL			NL		*****	NL	NL		DAILY MX			1/30	8 HC						
EFFLUENT GROSS	SAMPLE MEASUREMENT	MONTHLY AV			DAILY MAX	TUa	*****	MONTHLY AV	NL	TUa			8 HC								
WHOLE EFFLUENT TOXICITY - Ceriodaphnia dubia	PERMIT REQUIREMENT	*****			*****		*****	*****	*****		*****										
22414 1 0	SAMPLE MEASUREMENT	*****			*****	TUa	*****	*****	*****	TUa			1/90	8 HC							
EFFLUENT GROSS	PERMIT REQUIREMENT	*****			*****		*****	*****	*****		*****										
WHOLE EFFLUENT TOXICITY - Pimephales promelas	SAMPLE MEASUREMENT	*****			*****	TUa	*****	*****	*****	TUa			8 HC								
22414 1 0	PERMIT REQUIREMENT	*****			*****		*****	*****	*****		*****			1/90	8 HC						
EFFLUENT GROSS	SAMPLE MEASUREMENT	*****			*****																
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</p> 						TELEPHONE			DATE								
Brian McGinnis																			19 04 09		
Manager, Environmental Remediation																					
TYPED OR PRINTED																					
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)																	
Attachment: pH compliance monitoring summary (monthly)																					
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level																					
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																					
															PAGE 1 OF 10						

Avtex Fibers  
Front Royal, VA  
Outfall 004  
March 2019 DMR

**pH Calculations:**

Date And Time	pH	Date And Time	pH	Date And Time	pH
3/1/2019 12:00 AM	7.95	3/2/2019 12:00 AM	8.01	3/3/2019 12:00 AM	7.97
3/1/2019 12:15 AM	7.95	3/2/2019 12:15 AM	8.01	3/3/2019 12:15 AM	7.96
3/1/2019 12:30 AM	7.95	3/2/2019 12:30 AM	8.01	3/3/2019 12:30 AM	7.96
3/1/2019 12:45 AM	7.95	3/2/2019 12:45 AM	8.01	3/3/2019 12:45 AM	7.96
3/1/2019 1:00 AM	7.96	3/2/2019 1:00 AM	8.01	3/3/2019 1:00 AM	7.93
3/1/2019 1:15 AM	7.95	3/2/2019 1:15 AM	8.01	3/3/2019 1:15 AM	7.91
3/1/2019 1:30 AM	8.02	3/2/2019 1:30 AM	8.01	3/3/2019 1:30 AM	7.91
3/1/2019 1:45 AM	8.03	3/2/2019 1:45 AM	8.01	3/3/2019 1:45 AM	7.91
3/1/2019 2:00 AM	8.02	3/2/2019 2:00 AM	8.01	3/3/2019 2:00 AM	7.91
3/1/2019 2:15 AM	8.02	3/2/2019 2:15 AM	8.01	3/3/2019 2:15 AM	7.91
3/1/2019 2:30 AM	8.02	3/2/2019 2:30 AM	8.01	3/3/2019 2:30 AM	7.91
3/1/2019 2:45 AM	8.02	3/2/2019 2:45 AM	8.01	3/3/2019 2:45 AM	7.91
3/1/2019 3:00 AM	8.02	3/2/2019 3:00 AM	8.01	3/3/2019 3:00 AM	7.95
3/1/2019 3:15 AM	8.02	3/2/2019 3:15 AM	7.92	3/3/2019 3:15 AM	7.99
3/1/2019 3:30 AM	8.02	3/2/2019 3:30 AM	7.93	3/3/2019 3:30 AM	7.99
3/1/2019 3:45 AM	8.03	3/2/2019 3:45 AM	7.94	3/3/2019 3:45 AM	7.98
3/1/2019 4:00 AM	7.95	3/2/2019 4:00 AM	7.93	3/3/2019 4:00 AM	7.97
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3/1/2019 4:30 AM	7.95	3/2/2019 4:30 AM	7.94	3/3/2019 4:30 AM	7.96
3/1/2019 4:45 AM	7.95	3/2/2019 4:45 AM	7.93	3/3/2019 4:45 AM	7.96
3/1/2019 5:00 AM	7.95	3/2/2019 5:00 AM	7.93	3/3/2019 5:00 AM	7.95
3/1/2019 5:15 AM	7.95	3/2/2019 5:15 AM	7.93	3/3/2019 5:15 AM	7.95
3/1/2019 5:30 AM	7.95	3/2/2019 5:30 AM	7.93	3/3/2019 5:30 AM	7.92
3/1/2019 5:45 AM	8.02	3/2/2019 5:45 AM	7.93	3/3/2019 5:45 AM	7.91
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3/1/2019 6:30 AM	8.02	3/2/2019 6:30 AM	8.05	3/3/2019 6:30 AM	7.91
3/1/2019 6:45 AM	8.01	3/2/2019 6:45 AM	8.05	3/3/2019 6:45 AM	7.91
3/1/2019 7:00 AM	8.01	3/2/2019 7:00 AM	7.99	3/3/2019 7:00 AM	7.91
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3/1/2019 12:00 PM	8.00	3/2/2019 12:00 PM	7.94	3/3/2019 12:00 PM	7.99
3/1/2019 12:15 PM	8.00	3/2/2019 12:15 PM	7.93	3/3/2019 12:15 PM	7.99
3/1/2019 12:30 PM	8.00	3/2/2019 12:30 PM	7.93	3/3/2019 12:30 PM	7.98
3/1/2019 12:45 PM	8.00	3/2/2019 12:45 PM	7.93	3/3/2019 12:45 PM	7.98
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3/1/2019 8:30 PM	8.02	3/2/2019 8:30 PM	7.91	3/3/2019 8:30 PM	7.92
3/1/2019 8:45 PM	8.03	3/2/2019 8:45 PM	7.89	3/3/2019 8:45 PM	7.93
3/1/2019 9:00 PM	8.04	3/2/2019 9:00 PM	7.90	3/3/2019 9:00 PM	8.02
3/1/2019 9:15 PM	8.02	3/2/2019 9:15 PM	7.90	3/3/2019 9:15 PM	8.04
3/1/2019 9:30 PM	8.02	3/2/2019 9:30 PM	7.90	3/3/2019 9:30 PM	8.03
3/1/2019 9:45 PM	8.02	3/2/2019 9:45 PM	7.90	3/3/2019 9:45 PM	8.02
3/1/2019 10:00 PM	8.01	3/2/2019 10:00 PM	7.90	3/3/2019 10:00 PM	8.02
3/1/2019 10:15 PM	8.01	3/2/2019 10:15 PM	7.90	3/3/2019 10:15 PM	8.02
3/1/2019 10:30 PM	8.01	3/2/2019 10:30 PM	7.90	3/3/2019 10:30 PM	8.01
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AVG

7.99

AVG

7.97

AVG

7.95

Date And Time	pH
3/4/2019 12:00 AM	7.91
3/4/2019 12:15 AM	7.91
3/4/2019 12:30 AM	7.91
3/4/2019 12:45 AM	7.92
3/4/2019 1:00 AM	7.92
3/4/2019 1:15 AM	7.92
3/4/2019 1:30 AM	7.99
3/4/2019 1:45 AM	8.02
3/4/2019 2:00 AM	8.03
3/4/2019 2:15 AM	8.03
3/4/2019 2:30 AM	8.02
3/4/2019 2:45 AM	8.01
3/4/2019 3:00 AM	8.01
3/4/2019 3:15 AM	8.00
3/4/2019 3:30 AM	8.00
3/4/2019 3:45 AM	8.00
3/4/2019 4:00 AM	7.94
3/4/2019 4:15 AM	7.91
3/4/2019 4:30 AM	7.91
3/4/2019 4:45 AM	7.91
3/4/2019 5:00 AM	7.91
3/4/2019 5:15 AM	7.91
3/4/2019 5:30 AM	7.92
3/4/2019 5:45 AM	7.97
3/4/2019 6:00 AM	8.02
3/4/2019 6:15 AM	8.02
3/4/2019 6:30 AM	8.01
3/4/2019 6:45 AM	8.00
3/4/2019 7:00 AM	8.00
3/4/2019 7:15 AM	7.99
3/4/2019 7:30 AM	7.99
3/4/2019 7:45 AM	7.99
3/4/2019 8:00 AM	7.99
3/4/2019 8:15 AM	7.99
3/4/2019 8:30 AM	7.93
3/4/2019 8:45 AM	7.90
3/4/2019 9:00 AM	7.90
3/4/2019 9:15 AM	7.90
3/4/2019 9:30 AM	7.90
3/4/2019 9:45 AM	7.90
3/4/2019 10:00 AM	7.90
3/4/2019 10:15 AM	7.88
3/4/2019 10:30 AM	8.00
3/4/2019 10:45 AM	8.01
3/4/2019 11:00 AM	8.01
3/4/2019 11:15 AM	8.01
3/4/2019 11:30 AM	8.02
3/4/2019 11:45 AM	8.02
3/4/2019 12:00 PM	8.03
3/4/2019 12:15 PM	8.03
3/4/2019 12:30 PM	8.02
3/4/2019 12:45 PM	8.03
3/4/2019 1:00 PM	8.01
3/4/2019 1:15 PM	7.95
3/4/2019 1:30 PM	7.93
3/4/2019 1:45 PM	7.92
3/4/2019 2:00 PM	7.91
3/4/2019 2:15 PM	7.91
3/4/2019 2:30 PM	7.91
3/4/2019 2:45 PM	7.91
3/4/2019 3:00 PM	7.97
3/4/2019 3:15 PM	7.98
3/4/2019 3:30 PM	7.98
3/4/2019 3:45 PM	7.97
3/4/2019 4:00 PM	7.96
3/4/2019 4:15 PM	7.96
3/4/2019 4:30 PM	7.95
3/4/2019 4:45 PM	7.95
3/4/2019 5:00 PM	7.95
3/4/2019 5:15 PM	7.95
3/4/2019 5:30 PM	7.90
3/4/2019 5:45 PM	7.90
3/4/2019 6:00 PM	7.90
3/4/2019 6:15 PM	7.90
3/4/2019 6:30 PM	7.90
3/4/2019 6:45 PM	7.90
3/4/2019 7:00 PM	7.90
3/4/2019 7:15 PM	7.90
3/4/2019 7:30 PM	7.96
3/4/2019 7:45 PM	7.97
3/4/2019 8:00 PM	7.96
3/4/2019 8:15 PM	7.95
3/4/2019 8:30 PM	7.95
3/4/2019 8:45 PM	7.95
3/4/2019 9:00 PM	7.95
3/4/2019 9:15 PM	7.95
3/4/2019 9:30 PM	7.95
3/4/2019 9:45 PM	7.95
3/4/2019 10:00 PM	7.88
3/4/2019 10:15 PM	7.89
3/4/2019 10:30 PM	7.89
3/4/2019 10:45 PM	7.90
3/4/2019 11:00 PM	7.90
3/4/2019 11:15 PM	7.90
3/4/2019 11:30 PM	7.90
3/4/2019 11:45 PM	7.90
3/5/2019 12:00 AM	7.90
3/5/2019 12:15 AM	7.98
3/5/2019 12:30 AM	8.00
3/5/2019 12:45 AM	7.98
3/5/2019 1:00 AM	7.97
3/5/2019 1:15 AM	7.97
3/5/2019 1:30 AM	7.97
3/5/2019 1:45 AM	7.97
3/5/2019 2:00 AM	7.96
3/5/2019 2:15 AM	7.96
3/5/2019 2:30 AM	7.91
3/5/2019 2:45 AM	7.90
3/5/2019 3:00 AM	7.90
3/5/2019 3:15 AM	7.90
3/5/2019 3:30 AM	7.90
3/5/2019 3:45 AM	7.91
3/5/2019 4:00 AM	7.91
3/5/2019 4:15 AM	7.91
3/5/2019 4:30 AM	7.91
3/5/2019 4:45 AM	7.91
3/5/2019 5:00 AM	7.90
3/5/2019 5:15 AM	7.89
3/5/2019 5:30 PM	7.90
3/5/2019 5:45 PM	7.89
3/5/2019 6:00 PM	7.94
3/5/2019 6:15 PM	7.96
3/5/2019 6:30 PM	7.96
3/5/2019 6:45 PM	7.97
3/5/2019 7:00 PM	7.96
3/5/2019 7:15 PM	7.96
3/5/2019 7:30 PM	7.96
3/5/2019 7:45 PM	7.96
3/5/2019 8:00 PM	7.96
3/5/2019 8:15 PM	7.96
3/5/2019 8:30 PM	7.87
3/5/2019 8:45 PM	7.88
3/5/2019 9:00 PM	7.89
3/5/2019 9:15 PM	7.88
3/5/2019 9:30 PM	7.88
3/5/2019 9:45 PM	7.88
3/5/2019 10:00 PM	7.88
3/5/2019 10:15 PM	7.88
3/5/2019 10:30 PM	7.89
3/5/2019 10:45 PM	7.95
3/5/2019 11:00 PM	7.94
3/5/2019 11:15 PM	7.94
3/5/2019 11:30 PM	7.90
3/5/2019 11:45 PM	7.93
3/6/2019 12:00 AM	7.93
3/6/2019 12:15 AM	7.93
3/6/2019 12:30 AM	7.94
3/6/2019 12:45 AM	7.94
3/6/2019 1:00 AM	7.87
3/6/2019 1:15 AM	7.86
3/6/2019 1:30 AM	7.88
3/6/2019 1:45 AM	7.88
3/6/2019 2:00 AM	7.88
3/6/2019 2:15 AM	7.88
3/6/2019 2:30 AM	7.88
3/6/2019 2:45 AM	7.88
3/6/2019 3:00 AM	7.88
3/6/2019 3:15 AM	7.88
3/6/2019 3:30 AM	7.97
3/6/2019 3:45 AM	7.96
3/6/2019 4:00 AM	7.97
3/6/2019 4:15 AM	7.97
3/6/2019 4:30 AM	7.90
3/6/2019 4:45 AM	7.90
3/6/2019 5:00 AM	8.01
3/6/2019 5:15 AM	7.99
3/6/2019 5:30 AM	7.98
3/6/2019 5:45 AM	7.98
3/6/2019 6:00 AM	7.98
3/6/2019 6:15 PM	7.97
3/6/2019 6:30 PM	7.97
3/6/2019 6:45 PM	7.96
3/6/2019 7:00 PM	7.89
3/6/2019 7:15 PM	7.89
3/6/2019 7:30 PM	7.89
3/6/2019 7:45 PM	7.89
3/6/2019 8:00 PM	7.89
3/6/2019 8:15 PM	7.89
3/6/2019 8:30 PM	7.89
3/6/2019 8:45 PM	7.93
3/6/2019 9:00 PM	8.00
3/6/2019 9:15 PM	8.00
3/6/2019 9:30 PM	7.99
3/6/2019 9:45 PM	7.99
3/6/2019 10:00 PM	7.97
3/6/2019 10:15 PM	7.96
3/6/2019 10:30 PM	7.95
3/6/2019 10:45 PM	7.95
3/6/2019 11:00 PM	7.94
3/6/2019 11:15 PM	7.94
3/6/2019 11:30 PM	7.90
3/6/2019 11:45 PM	7.88

AVG

7.95

AVG

7.94

AVG

7.94

Note: No pH data was stored on 3/5/2019 from 7:15AM to 10:45AM due to a loss of power.  
 Average pH does not include data from this time as no effluent was discharged.

Date And Time	pH	Date And Time	pH	Date And Time	pH
3/7/2019 12:00 AM	7.89	3/8/2019 12:00 AM	7.91	3/9/2019 12:00 AM	7.88
3/7/2019 12:15 AM	7.89	3/8/2019 12:15 AM	7.91	3/9/2019 12:15 AM	7.87
3/7/2019 12:30 AM	7.89	3/8/2019 12:30 AM	7.89	3/9/2019 12:30 AM	7.86
3/7/2019 12:45 AM	7.89	3/8/2019 12:45 AM	7.88	3/9/2019 12:45 AM	7.86
3/7/2019 1:00 AM	7.89	3/8/2019 1:00 AM	7.86	3/9/2019 1:00 AM	7.87
3/7/2019 1:15 AM	7.89	3/8/2019 1:15 AM	7.86	3/9/2019 1:15 AM	7.82
3/7/2019 1:30 AM	7.89	3/8/2019 1:30 AM	7.85	3/9/2019 1:30 AM	7.82
3/7/2019 1:45 AM	7.98	3/8/2019 1:45 AM	7.84	3/9/2019 1:45 AM	7.81
3/7/2019 2:00 AM	8.01	3/8/2019 2:00 AM	7.84	3/9/2019 2:00 AM	7.81
3/7/2019 2:15 AM	7.99	3/8/2019 2:15 AM	7.83	3/9/2019 2:15 AM	7.81
3/7/2019 2:30 AM	7.98	3/8/2019 2:30 AM	7.83	3/9/2019 2:30 AM	7.81
3/7/2019 2:45 AM	7.97	3/8/2019 2:45 AM	7.83	3/9/2019 2:45 AM	7.88
3/7/2019 3:00 AM	7.96	3/8/2019 3:00 AM	7.83	3/9/2019 3:00 AM	7.90
3/7/2019 3:15 AM	7.95	3/8/2019 3:15 AM	7.83	3/9/2019 3:15 AM	7.89
3/7/2019 3:30 AM	7.94	3/8/2019 3:30 AM	7.83	3/9/2019 3:30 AM	7.88
3/7/2019 3:45 AM	7.94	3/8/2019 3:45 AM	7.83	3/9/2019 3:45 AM	7.86
3/7/2019 4:00 AM	7.90	3/8/2019 4:00 AM	7.84	3/9/2019 4:00 AM	7.85
3/7/2019 4:15 AM	7.88	3/8/2019 4:15 AM	7.84	3/9/2019 4:15 AM	7.85
3/7/2019 4:30 AM	7.88	3/8/2019 4:30 AM	7.89	3/9/2019 4:30 AM	7.84
3/7/2019 4:45 AM	7.88	3/8/2019 4:45 AM	7.91	3/9/2019 4:45 AM	7.83
3/7/2019 5:00 AM	7.88	3/8/2019 5:00 AM	7.89	3/9/2019 5:00 AM	7.83
3/7/2019 5:15 AM	7.88	3/8/2019 5:15 AM	7.87	3/9/2019 5:15 AM	7.83
3/7/2019 5:30 AM	7.88	3/8/2019 5:30 AM	7.87	3/9/2019 5:30 AM	7.82
3/7/2019 5:45 AM	7.91	3/8/2019 5:45 AM	7.85	3/9/2019 5:45 AM	7.80
3/7/2019 6:00 AM	7.98	3/8/2019 6:00 AM	7.85	3/9/2019 6:00 AM	7.79
3/7/2019 6:15 AM	7.99	3/8/2019 6:15 AM	7.84	3/9/2019 6:15 AM	7.79
3/7/2019 6:30 AM	7.97	3/8/2019 6:30 AM	7.83	3/9/2019 6:30 AM	7.79
3/7/2019 6:45 AM	7.96	3/8/2019 6:45 AM	7.83	3/9/2019 6:45 AM	7.79
3/7/2019 7:00 AM	7.95	3/8/2019 7:00 AM	7.83	3/9/2019 7:00 AM	7.79
3/7/2019 7:15 AM	7.94	3/8/2019 7:15 AM	7.82	3/9/2019 7:15 AM	7.86
3/7/2019 7:30 AM	7.93	3/8/2019 7:30 AM	7.83	3/9/2019 7:30 AM	7.89
3/7/2019 7:45 AM	7.92	3/8/2019 7:45 AM	7.83	3/9/2019 7:45 AM	7.89
3/7/2019 8:00 AM	7.92	3/8/2019 8:00 AM	7.83	3/9/2019 8:00 AM	7.89
3/7/2019 8:15 AM	7.91	3/8/2019 8:15 AM	7.83	3/9/2019 8:15 AM	7.88
3/7/2019 8:30 AM	7.91	3/8/2019 8:30 AM	7.83	3/9/2019 8:30 AM	7.87
3/7/2019 8:45 AM	7.87	3/8/2019 8:45 AM	7.83	3/9/2019 8:45 AM	7.87
3/7/2019 9:00 AM	7.87	3/8/2019 9:00 AM	7.90	3/9/2019 9:00 AM	7.85
3/7/2019 9:15 AM	7.87	3/8/2019 9:15 AM	7.91	3/9/2019 9:15 AM	7.85
3/7/2019 9:30 AM	7.87	3/8/2019 9:30 AM	7.89	3/9/2019 9:30 AM	7.84
3/7/2019 9:45 AM	7.87	3/8/2019 9:45 AM	7.87	3/9/2019 9:45 AM	7.83
3/7/2019 10:00 AM	7.86	3/8/2019 10:00 AM	7.86	3/9/2019 10:00 AM	7.81
3/7/2019 10:15 AM	7.94	3/8/2019 10:15 AM	7.85	3/9/2019 10:15 AM	7.78
3/7/2019 10:30 AM	7.96	3/8/2019 10:30 AM	7.84	3/9/2019 10:30 AM	7.78
3/7/2019 10:45 AM	7.97	3/8/2019 10:45 AM	7.85	3/9/2019 10:45 AM	7.78
3/7/2019 11:00 AM	7.97	3/8/2019 11:00 AM	7.85	3/9/2019 11:00 AM	7.78
3/7/2019 11:15 AM	7.96	3/8/2019 11:15 AM	7.84	3/9/2019 11:15 AM	7.78
3/7/2019 11:30 AM	7.95	3/8/2019 11:30 AM	7.85	3/9/2019 11:30 AM	7.86
3/7/2019 11:45 AM	7.94	3/8/2019 11:45 AM	7.83	3/9/2019 11:45 PM	7.73
3/7/2019 12:00 PM	7.90			3/9/2019 12:00 PM	7.82
3/7/2019 12:15 PM	7.90			3/9/2019 12:15 PM	7.79
3/7/2019 12:30 PM	7.90			3/9/2019 12:30 PM	7.79
3/7/2019 12:45 PM	7.90			3/9/2019 12:45 PM	7.78
3/7/2019 1:00 PM	7.89			3/9/2019 1:00 PM	7.78
3/7/2019 1:15 PM	7.90			3/9/2019 1:15 PM	7.84
3/7/2019 1:30 PM	7.88			3/9/2019 1:30 PM	7.88
3/7/2019 1:45 PM	7.87			3/9/2019 1:45 PM	7.83
3/7/2019 2:00 PM	7.87			3/9/2019 2:00 PM	7.83
3/7/2019 2:15 PM	7.87			3/9/2019 2:15 PM	7.83
3/7/2019 2:30 PM	7.86			3/9/2019 2:30 PM	7.82
3/7/2019 2:45 PM	7.92			3/9/2019 2:45 PM	7.86
3/7/2019 3:00 PM	7.90			3/9/2019 3:00 PM	7.85
3/7/2019 3:15 PM	7.90			3/9/2019 3:15 PM	7.76
3/7/2019 3:30 PM	7.89			3/9/2019 3:30 PM	7.76
3/7/2019 3:45 PM	7.88			3/9/2019 3:45 PM	7.77
3/7/2019 4:00 PM	7.88			3/9/2019 4:00 PM	7.80
3/7/2019 4:15 PM	7.87			3/9/2019 4:15 PM	7.84
3/7/2019 4:30 PM	7.87			3/9/2019 4:30 PM	7.84
3/7/2019 4:45 PM	7.86			3/9/2019 4:45 PM	7.83
3/7/2019 5:00 PM	7.86			3/9/2019 5:00 PM	7.81
3/7/2019 5:15 PM	7.85			3/9/2019 5:15 PM	7.81
3/7/2019 5:30 PM	7.86			3/9/2019 5:30 PM	7.80
3/7/2019 5:45 PM	7.85			3/9/2019 5:45 PM	7.80
3/7/2019 6:00 PM	7.84			3/9/2019 6:00 PM	7.79
3/7/2019 6:15 PM	7.85			3/9/2019 6:15 PM	7.79
3/7/2019 6:30 PM	7.84			3/9/2019 6:30 PM	7.79
3/7/2019 6:45 PM	7.84			3/9/2019 6:45 PM	7.79
3/7/2019 7:00 PM	7.84			3/9/2019 7:00 PM	7.76
3/7/2019 7:15 PM	7.84			3/9/2019 7:15 PM	7.75
3/7/2019 7:30 PM	7.84			3/9/2019 7:30 PM	7.74
3/7/2019 7:45 PM	7.90			3/9/2019 7:45 PM	7.75
3/7/2019 8:00 PM	7.84			3/9/2019 8:00 PM	7.74
3/7/2019 8:15 PM	7.88			3/9/2019 8:15 PM	7.74
3/7/2019 8:30 PM	7.87			3/9/2019 8:30 PM	7.75
3/7/2019 8:45 PM	7.86			3/9/2019 8:45 PM	7.81
3/7/2019 9:00 PM	7.85			3/9/2019 9:00 PM	7.83
3/7/2019 9:15 PM	7.84			3/9/2019 9:15 PM	7.82
3/7/2019 9:30 PM	7.84			3/9/2019 9:30 PM	7.80
3/7/2019 9:45 PM	7.83			3/9/2019 9:45 PM	7.80
3/7/2019 10:00 PM	7.83			3/9/2019 10:00 PM	7.79
3/7/2019 10:15 PM	7.83			3/9/2019 10:15 PM	7.79
3/7/2019 10:30 PM	7.84			3/9/2019 10:30 PM	7.79
3/7/2019 10:45 PM	7.84			3/9/2019 10:45 PM	7.78
3/7/2019 11:00 PM	7.84			3/9/2019 11:00 PM	7.78
3/7/2019 11:15 PM	7.84			3/9/2019 11:15 PM	7.78
3/7/2019 11:30 PM	7.84			3/9/2019 11:30 PM	7.74
3/7/2019 11:45 PM	7.84			3/9/2019 11:45 PM	7.73

AVG

7.90

AVG

7.85

AVG

7.82

Date And Time	pH	Date And Time	pH	Date And Time	pH
3/10/2019 12:00 AM	7.74	3/11/2019 12:00 AM	7.77	3/12/2019 12:00 AM	7.74
3/10/2019 12:15 AM	7.73	3/11/2019 12:15 AM	7.77	3/12/2019 12:15 AM	7.74
3/10/2019 12:30 AM	7.73	3/11/2019 12:30 AM	7.77	3/12/2019 12:30 AM	7.74
3/10/2019 12:45 AM	7.73	3/11/2019 12:45 AM	7.77	3/12/2019 12:45 AM	7.73
3/10/2019 1:00 AM	7.74	3/11/2019 1:00 AM	7.80	3/12/2019 1:00 AM	7.73
3/10/2019 1:15 AM	7.82	3/11/2019 1:15 AM	7.80	3/12/2019 1:15 AM	7.74
3/10/2019 1:30 AM	7.85	3/11/2019 1:30 AM	7.80	3/12/2019 1:30 AM	7.74
3/10/2019 1:45 AM	7.83	3/11/2019 1:45 AM	7.79	3/12/2019 1:45 AM	7.74
3/10/2019 2:00 AM	7.83	3/11/2019 2:00 AM	7.78	3/12/2019 2:00 AM	7.70
3/10/2019 2:15 AM		3/11/2019 2:15 AM	7.78	3/12/2019 2:15 AM	7.68
3/10/2019 2:30 AM		3/11/2019 2:30 AM	7.78	3/12/2019 2:30 AM	7.68
3/10/2019 2:45 AM		3/11/2019 2:45 AM	7.78	3/12/2019 2:45 AM	7.68
3/10/2019 3:00 AM		3/11/2019 3:00 AM	7.78	3/12/2019 3:00 AM	7.68
3/10/2019 3:15 AM	7.83	3/11/2019 3:15 AM	7.77	3/12/2019 3:15 AM	7.68
3/10/2019 3:30 AM	7.81	3/11/2019 3:30 AM	7.76	3/12/2019 3:30 AM	7.68
3/10/2019 3:45 AM	7.81	3/11/2019 3:45 AM	7.74	3/12/2019 3:45 AM	7.72
3/10/2019 4:00 AM	7.81	3/11/2019 4:00 AM	7.74	3/12/2019 4:00 AM	7.74
3/10/2019 4:15 AM	7.82	3/11/2019 4:15 AM	7.74	3/12/2019 4:15 AM	7.73
3/10/2019 4:30 AM	7.81	3/11/2019 4:30 AM	7.73	3/12/2019 4:30 AM	7.73
3/10/2019 4:45 AM	7.81	3/11/2019 4:45 AM	7.73	3/12/2019 4:45 AM	7.72
3/10/2019 5:00 AM	7.77	3/11/2019 5:00 AM	7.73	3/12/2019 5:00 AM	7.72
3/10/2019 5:15 AM	7.75	3/11/2019 5:15 AM	7.75	3/12/2019 5:15 AM	7.72
3/10/2019 5:30 AM	7.74	3/11/2019 5:30 AM	7.77	3/12/2019 5:30 AM	7.72
3/10/2019 5:45 AM	7.74	3/11/2019 5:45 AM	7.77	3/12/2019 5:45 AM	7.72
3/10/2019 6:00 AM	7.73	3/11/2019 6:00 AM	7.77	3/12/2019 6:00 AM	7.72
3/10/2019 6:15 AM	7.73	3/11/2019 6:15 AM	7.77	3/12/2019 6:15 AM	7.72
3/10/2019 6:30 AM	7.73	3/11/2019 6:30 AM	7.77	3/12/2019 6:30 AM	7.68
3/10/2019 6:45 AM	7.81	3/11/2019 6:45 AM	7.77	3/12/2019 6:45 AM	7.66
3/10/2019 7:00 AM	7.84	3/11/2019 7:00 AM	7.77	3/12/2019 7:00 AM	7.67
3/10/2019 7:15 AM	7.83	3/11/2019 7:15 AM	7.76	3/12/2019 7:15 AM	7.67
3/10/2019 7:30 AM	7.83	3/11/2019 7:30 AM	7.76	3/12/2019 7:30 AM	7.67
3/10/2019 7:45 AM	7.83	3/11/2019 7:45 AM	7.76	3/12/2019 7:45 AM	7.67
3/10/2019 8:00 AM	7.83	3/11/2019 8:00 AM	7.73	3/12/2019 8:00 AM	7.67
3/10/2019 8:15 AM	7.83	3/11/2019 8:15 AM	7.71	3/12/2019 8:15 AM	7.72
3/10/2019 8:30 AM	7.82	3/11/2019 8:30 AM	7.71	3/12/2019 8:30 AM	7.74
3/10/2019 8:45 AM	7.83	3/11/2019 8:45 AM	7.71	3/12/2019 8:45 AM	7.73
3/10/2019 9:00 AM	7.82	3/11/2019 9:00 AM	7.71	3/12/2019 9:00 AM	7.72
3/10/2019 9:15 AM	7.82	3/11/2019 9:15 AM	7.71	3/12/2019 9:15 AM	7.72
3/10/2019 9:30 AM	7.79	3/11/2019 9:30 AM	7.71	3/12/2019 9:30 AM	7.72
3/10/2019 9:45 AM	7.75	3/11/2019 9:45 AM	7.75	3/12/2019 9:45 AM	7.72
3/10/2019 10:00 AM	7.74	3/11/2019 10:00 AM	7.75	3/12/2019 10:00 AM	7.72
3/10/2019 10:15 AM	7.72	3/11/2019 10:15 AM	7.76	3/12/2019 10:15 AM	7.72
3/10/2019 10:30 AM	7.71	3/11/2019 10:30 AM	7.76	3/12/2019 10:30 AM	7.72
3/10/2019 10:45 AM	7.70	3/11/2019 10:45 AM	7.76	3/12/2019 10:45 AM	7.72
3/10/2019 11:00 AM	7.72	3/11/2019 11:00 AM	7.75	3/12/2019 11:00 AM	7.71
3/10/2019 11:15 AM	7.77	3/11/2019 11:15 AM	7.77	3/12/2019 11:15 AM	7.67
3/10/2019 11:30 AM	7.79	3/11/2019 11:30 AM	7.78	3/12/2019 11:30 AM	7.67
3/10/2019 11:45 PM	7.78	3/11/2019 11:45 PM	7.74	3/12/2019 11:45 PM	7.69

AVG

7.80

AVG

7.75

AVG

7.72

Note: No pH data was stored on 3/10/2019 from 2:00AM to 3:00AM due to communications error from daylight savings time change. Average pH does not include data from this time as no effluent was discharged.

AVG

7.72

AVC

7.73

A

7.74

Date And Time	pH	Date And Time	pH	Date And Time	pH
3/16/2019 12:00 AM	7.76	3/17/2019 12:00 AM	7.66	3/18/2019 12:00 AM	7.70
3/16/2019 12:15 AM	7.76	3/17/2019 12:15 AM	7.66	3/18/2019 12:15 AM	7.70
3/16/2019 12:30 AM	7.74	3/17/2019 12:30 AM	7.66	3/18/2019 12:30 AM	7.70
3/16/2019 12:45 AM	7.73	3/17/2019 12:45 AM	7.66	3/18/2019 12:45 AM	7.70
3/16/2019 1:00 AM	7.72	3/17/2019 1:00 AM	7.66	3/18/2019 1:00 AM	7.70
3/16/2019 1:15 AM	7.72	3/17/2019 1:15 AM	7.65	3/18/2019 1:15 AM	7.69
3/16/2019 1:30 AM	7.72	3/17/2019 1:30 AM	7.71	3/18/2019 1:30 AM	7.69
3/16/2019 1:45 AM	7.72	3/17/2019 1:45 AM	7.72	3/18/2019 1:45 AM	7.69
3/16/2019 2:00 AM	7.71	3/17/2019 2:00 AM	7.73	3/18/2019 2:00 AM	7.65
3/16/2019 2:15 AM	7.71	3/17/2019 2:15 AM	7.73	3/18/2019 2:15 AM	7.64
3/16/2019 2:30 AM	7.72	3/17/2019 2:30 AM	7.73	3/18/2019 2:30 AM	7.64
3/16/2019 2:45 AM	7.75	3/17/2019 2:45 AM	7.72	3/18/2019 2:45 AM	7.64
3/16/2019 3:00 AM	7.76	3/17/2019 3:00 AM	7.72	3/18/2019 3:00 AM	7.64
3/16/2019 3:15 AM	7.76	3/17/2019 3:15 AM	7.72	3/18/2019 3:15 AM	7.63
3/16/2019 3:30 AM	7.76	3/17/2019 3:30 AM	7.68	3/18/2019 3:30 AM	7.64
3/16/2019 3:45 AM	7.76	3/17/2019 3:45 AM	7.66	3/18/2019 3:45 AM	7.67
3/16/2019 4:00 AM	7.76	3/17/2019 4:00 AM	7.66	3/18/2019 4:00 AM	7.70
3/16/2019 4:15 AM	7.76	3/17/2019 4:15 AM	7.66	3/18/2019 4:15 AM	7.70
3/16/2019 4:30 AM	7.75	3/17/2019 4:30 AM	7.66	3/18/2019 4:30 AM	7.70
3/16/2019 4:45 AM	7.75	3/17/2019 4:45 AM	7.66	3/18/2019 4:45 AM	7.70
3/16/2019 5:00 AM	7.71	3/17/2019 5:00 AM	7.66	3/18/2019 5:00 AM	7.70
3/16/2019 5:15 AM	7.70	3/17/2019 5:15 AM	7.66	3/18/2019 5:15 AM	7.70
3/16/2019 5:30 AM	7.69	3/17/2019 5:30 AM	7.71	3/18/2019 5:30 AM	7.70
3/16/2019 5:45 AM	7.69	3/17/2019 5:45 AM	7.73	3/18/2019 5:45 AM	7.70
3/16/2019 6:00 AM	7.69	3/17/2019 6:00 AM	7.73	3/18/2019 6:00 AM	7.70
3/16/2019 6:15 AM	7.69	3/17/2019 6:15 AM	7.73	3/18/2019 6:15 AM	7.69
3/16/2019 6:30 AM	7.69	3/17/2019 6:30 AM	7.73	3/18/2019 6:30 AM	7.66
3/16/2019 6:45 AM	7.69	3/17/2019 6:45 AM	7.73	3/18/2019 6:45 AM	7.63
3/16/2019 7:00 AM	7.72	3/17/2019 7:00 AM	7.72	3/18/2019 7:00 AM	7.63
3/16/2019 7:15 AM	7.75	3/17/2019 7:15 AM	7.72	3/18/2019 7:15 AM	7.63
3/16/2019 7:30 AM	7.75	3/17/2019 7:30 AM	7.72	3/18/2019 7:30 AM	7.63
3/16/2019 7:45 AM	7.75	3/17/2019 7:45 AM	7.72	3/18/2019 7:45 AM	7.63
3/16/2019 8:00 AM	7.75	3/17/2019 8:00 AM	7.66	3/18/2019 8:00 AM	7.63
3/16/2019 8:15 AM	7.75	3/17/2019 8:15 AM	7.65	3/18/2019 8:15 AM	7.68
3/16/2019 8:30 AM	7.74	3/17/2019 8:30 AM	7.65	3/18/2019 8:30 AM	7.70
3/16/2019 8:45 AM	7.74	3/17/2019 8:45 AM	7.65	3/18/2019 8:45 AM	7.71
3/16/2019 9:00 AM	7.74	3/17/2019 9:00 AM	7.64	3/18/2019 9:00 AM	7.70
3/16/2019 9:15 AM	7.74	3/17/2019 9:15 AM	7.64	3/18/2019 9:15 AM	7.70
3/16/2019 9:30 AM	7.69	3/17/2019 9:30 AM	7.64	3/18/2019 9:30 AM	7.70
3/16/2019 9:45 AM	7.67	3/17/2019 9:45 AM	7.64	3/18/2019 9:45 AM	7.70
3/16/2019 10:00 AM	7.67	3/17/2019 10:00 AM	7.64	3/18/2019 10:00 AM	7.70
3/16/2019 10:15 AM	7.68	3/17/2019 10:15 AM	7.69	3/18/2019 10:15 AM	7.70
3/16/2019 10:30 AM	7.67	3/17/2019 10:30 AM	7.70	3/18/2019 10:30 AM	7.70
3/16/2019 10:45 AM	7.67	3/17/2019 10:45 AM	7.72	3/18/2019 10:45 AM	7.70
3/16/2019 11:00 AM	7.67	3/17/2019 11:00 AM	7.73	3/18/2019 11:00 AM	7.70
3/16/2019 11:15 AM	7.70	3/17/2019 11:15 AM	7.73	3/18/2019 11:15 AM	7.65
3/16/2019 11:30 AM	7.73	3/17/2019 11:30 AM	7.73	3/18/2019 11:30 AM	7.64
3/16/2019 11:45 AM	7.66	3/17/2019 11:45 PM	7.70	3/18/2019 11:45 PM	7.66

AVG

7.72

AVG

7.69

AVG

7.67

Date And Time	pH
3/19/2019 12:00 AM	7.66
3/19/2019 12:15 AM	7.65
3/19/2019 12:30 AM	7.61
3/19/2019 12:45 AM	7.60
3/19/2019 1:00 AM	7.59
3/19/2019 1:15 AM	7.60
3/19/2019 1:30 AM	7.60
3/19/2019 1:45 AM	7.62
3/19/2019 2:00 AM	7.66
3/19/2019 2:15 AM	7.67
3/19/2019 2:30 AM	7.67
3/19/2019 2:45 AM	7.66
3/19/2019 3:00 AM	7.66
3/19/2019 3:15 AM	7.66
3/19/2019 3:30 AM	7.66
3/19/2019 3:45 AM	7.66
3/19/2019 4:00 AM	7.66
3/19/2019 4:15 AM	7.66
3/19/2019 4:30 AM	7.66
3/19/2019 4:45 AM	7.66
3/19/2019 5:00 AM	7.60
3/19/2019 5:15 AM	7.58
3/19/2019 5:30 AM	7.58
3/19/2019 5:45 AM	7.58
3/19/2019 6:00 AM	7.59
3/19/2019 6:15 AM	7.59
3/19/2019 6:30 AM	7.59
3/19/2019 6:45 AM	7.64
3/19/2019 7:00 AM	7.67
3/19/2019 7:15 AM	7.67
3/19/2019 7:30 AM	7.67
3/19/2019 7:45 AM	7.66
3/19/2019 8:00 AM	7.65
3/19/2019 8:15 AM	7.65
3/19/2019 8:30 AM	7.65
3/19/2019 8:45 AM	7.65
3/19/2019 9:00 AM	7.64
3/19/2019 9:15 AM	7.64
3/19/2019 9:30 AM	7.58
3/19/2019 9:45 AM	7.57
3/19/2019 10:00 AM	7.57
3/19/2019 10:15 AM	7.57
3/19/2019 10:30 AM	7.57
3/19/2019 10:45 AM	7.57
3/19/2019 11:00 AM	7.61
3/19/2019 11:15 AM	7.64
3/19/2019 11:30 AM	7.65
3/19/2019 11:45 AM	7.67
3/19/2019 12:00 PM	7.67
3/19/2019 12:15 PM	7.65
3/19/2019 12:30 PM	7.66
3/19/2019 12:45 PM	7.68
3/19/2019 1:00 PM	7.67
3/19/2019 1:15 PM	7.64
3/19/2019 1:30 PM	7.65
3/19/2019 1:45 PM	7.67
3/19/2019 2:00 PM	7.70
3/19/2019 2:15 PM	7.66
3/19/2019 2:30 PM	7.64
3/19/2019 2:45 PM	7.66
3/19/2019 3:00 PM	7.66
3/19/2019 3:15 PM	7.64
3/19/2019 3:30 PM	7.66
3/19/2019 3:45 PM	7.66
3/19/2019 4:00 PM	7.65
3/19/2019 4:15 PM	7.65
3/19/2019 4:30 PM	7.64
3/19/2019 4:45 PM	7.64
3/19/2019 5:00 PM	7.64
3/19/2019 5:15 PM	7.64
3/19/2019 5:30 PM	7.64
3/19/2019 5:45 PM	7.64
3/19/2019 6:00 PM	7.65
3/19/2019 6:15 PM	7.64
3/19/2019 6:30 PM	7.59
3/19/2019 6:45 PM	7.58
3/19/2019 7:00 PM	7.58
3/19/2019 7:15 PM	7.58
3/19/2019 7:30 PM	7.58
3/19/2019 7:45 PM	7.58
3/19/2019 8:00 PM	7.58
3/19/2019 8:15 PM	7.58
3/19/2019 8:30 PM	7.58
3/19/2019 8:45 PM	7.66
3/19/2019 9:00 PM	7.63
3/19/2019 9:15 PM	7.63
3/19/2019 9:30 PM	7.64
3/19/2019 9:45 PM	7.64
3/19/2019 10:00 PM	7.63
3/19/2019 10:15 PM	7.64
3/19/2019 10:30 PM	7.63
3/19/2019 10:45 PM	7.63
3/19/2019 11:00 PM	7.59
3/19/2019 11:15 PM	7.57
3/19/2019 11:30 PM	7.58
3/19/2019 11:45 PM	7.58

AVG

7.63

Date And Time	pH
3/20/2019 12:00 AM	7.58
3/20/2019 12:15 AM	7.58
3/20/2019 12:30 AM	7.58
3/20/2019 12:45 AM	7.58
3/20/2019 1:00 AM	7.58
3/20/2019 1:15 AM	7.60
3/20/2019 1:30 AM	7.64
3/20/2019 1:45 AM	7.65
3/20/2019 2:00 AM	7.65
3/20/2019 2:15 AM	7.65
3/20/2019 2:30 AM	7.65
3/20/2019 2:45 AM	7.64
3/20/2019 3:00 AM	7.64
3/20/2019 3:15 AM	7.64
3/20/2019 3:30 AM	7.60
3/20/2019 3:45 AM	7.58
3/20/2019 4:00 AM	7.58
3/20/2019 4:15 AM	7.58
3/20/2019 4:30 AM	7.59
3/20/2019 4:45 AM	7.59
3/20/2019 5:00 AM	7.59
3/20/2019 5:15 AM	7.59
3/20/2019 5:30 AM	7.65
3/20/2019 5:45 AM	7.66
3/20/2019 6:00 AM	7.66
3/20/2019 6:15 AM	7.66
3/20/2019 6:30 AM	7.66
3/20/2019 6:45 AM	7.66
3/20/2019 7:00 AM	7.65
3/20/2019 7:15 AM	7.65
3/20/2019 7:30 AM	7.65
3/20/2019 7:45 AM	7.65
3/20/2019 8:00 AM	7.66
3/20/2019 8:15 AM	7.59
3/20/2019 8:30 AM	7.59
3/20/2019 8:45 AM	7.59
3/20/2019 9:00 AM	7.59
3/20/2019 9:15 AM	7.58
3/20/2019 9:30 AM	7.59
3/20/2019 9:45 AM	7.59
3/20/2019 10:00 AM	7.59
3/20/2019 10:15 AM	7.63
3/20/2019 10:30 AM	7.65
3/20/2019 10:45 AM	7.67
3/20/2019 11:00 AM	7.68
3/20/2019 11:15 AM	7.68
3/20/2019 11:30 AM	7.69
3/20/2019 11:45 AM	7.69
3/20/2019 12:00 PM	7.69
3/20/2019 12:15 PM	7.69
3/20/2019 12:30 PM	7.68
3/20/2019 12:45 PM	7.64
3/20/2019 1:00 PM	7.63
3/20/2019 1:15 PM	7.62
3/20/2019 1:30 PM	7.61
3/20/2019 1:45 PM	7.61
3/20/2019 2:00 PM	7.61
3/20/2019 2:15 PM	7.64
3/20/2019 2:30 PM	7.66
3/20/2019 2:45 PM	7.67
3/20/2019 3:00 PM	7.69
3/20/2019 3:15 PM	7.70
3/20/2019 3:30 PM	7.68
3/20/2019 3:45 PM	7.68
3/20/2019 4:00 PM	7.66
3/20/2019 4:15 PM	7.66
3/20/2019 4:30 PM	7.65
3/20/2019 4:45 PM	7.65
3/20/2019 5:00 PM	7.64
3/20/2019 5:15 PM	7.62
3/20/2019 5:30 PM	7.61
3/20/2019 5:45 PM	7.61
3/20/2019 6:00 PM	7.61
3/20/2019 6:15 PM	7.61
3/20/2019 6:30 PM	7.61
3/20/2019 6:45 PM	7.61
3/20/2019 7:00 PM	7.61
3/20/2019 7:15 PM	7.63
3/20/2019 7:30 PM	7.66
3/20/2019 7:45 PM	7.67
3/20/2019 8:00 PM	7.67
3/20/2019 8:15 PM	7.66
3/20/2019 8:30 PM	7.66
3/20/2019 8:45 PM	7.66
3/20/2019 9:00 PM	7.66
3/20/2019 9:15 PM	7.66
3/20/2019 9:30 PM	7.62
3/20/2019 9:45 PM	7.60
3/20/2019 10:00 PM	7.60
3/20/2019 10:15 PM	7.60
3/20/2019 10:30 PM	7.61
3/20/2019 10:45 PM	7.61
3/20/2019 11:00 PM	7.61
3/20/2019 11:15 PM	7.60
3/20/2019 11:30 PM	7.60

Avg

Date And Time	ph
3/21/2019 12:00 AM	7.6
3/21/2019 12:15 AM	7.6
3/21/2019 12:30 AM	7.6
3/21/2019 12:45 AM	7.6
3/21/2019 1:00 AM	7.6
3/21/2019 1:15 AM	7.6
3/21/2019 1:30 AM	7.6
3/21/2019 1:45 AM	7.6
3/21/2019 2:00 AM	7.6
3/21/2019 2:15 AM	7.6
3/21/2019 2:30 AM	7.6
3/21/2019 2:45 AM	7.6
3/21/2019 3:00 AM	7.6
3/21/2019 3:15 AM	7.6
3/21/2019 3:30 AM	7.6
3/21/2019 3:45 AM	7.6
3/21/2019 4:00 AM	7.6
3/21/2019 4:15 AM	7.6
3/21/2019 4:30 AM	7.6
3/21/2019 4:45 AM	7.6
3/21/2019 5:00 AM	7.6
3/21/2019 5:15 AM	7.6
3/21/2019 5:30 AM	7.6
3/21/2019 5:45 AM	7.6
3/21/2019 6:00 AM	7.6
3/21/2019 6:15 AM	7.6
3/21/2019 6:30 AM	7.6
3/21/2019 6:45 AM	7.6
3/21/2019 7:00 AM	7.6
3/21/2019 7:15 AM	7.6
3/21/2019 7:30 AM	7.6
3/21/2019 7:45 AM	7.6
3/21/2019 8:00 AM	7.6
3/21/2019 8:15 AM	7.6
3/21/2019 8:30 AM	7.6
3/21/2019 8:45 AM	7.6
3/21/2019 9:00 AM	7.6
3/21/2019 9:15 AM	7.7
3/21/2019 9:30 AM	7.6
3/21/2019 9:45 AM	7.7
3/21/2019 10:00 AM	7.6
3/21/2019 10:15 AM	7.6
3/21/2019 10:30 AM	7.6
3/21/2019 10:45 AM	7.6
3/21/2019 11:00 AM	7.6
3/21/2019 11:15 AM	7.6
3/21/2019 11:30 AM	7.6
3/21/2019 11:45 AM	7.7
3/21/2019 12:00 PM	7.7
3/21/2019 12:15 PM	7.7
3/21/2019 12:30 PM	7.7
3/21/2019 12:45 PM	7.7
3/21/2019 1:00 PM	7.7
3/21/2019 1:15 PM	7.6
3/21/2019 1:30 PM	7.7
3/21/2019 1:45 PM	7.7
3/21/2019 2:00 PM	7.7
3/21/2019 2:15 PM	7.7
3/21/2019 2:30 PM	7.7
3/21/2019 2:45 PM	7.7
3/21/2019 3:00 PM	7.6
3/21/2019 3:15 PM	7.6
3/21/2019 3:30 PM	7.6
3/21/2019 3:45 PM	7.6
3/21/2019 4:00 PM	7.6
3/21/2019 4:15 PM	7.6
3/21/2019 4:30 PM	7.6
3/21/2019 4:45 PM	7.6
3/21/2019 5:00 PM	7.6
3/21/2019 5:15 PM	7.6
3/21/2019 5:30 PM	7.6
3/21/2019 5:45 PM	7.7
3/21/2019 6:00 PM	7.7
3/21/2019 6:15 PM	7.7
3/21/2019 6:30 PM	7.7
3/21/2019 6:45 PM	7.7
3/21/2019 7:00 PM	7.7
3/21/2019 7:15 PM	7.7
3/21/2019 7:30 PM	7.7
3/21/2019 7:45 PM	7.7
3/21/2019 8:00 PM	7.6
3/21/2019 8:15 PM	7.6
3/21/2019 8:30 PM	7.6
3/21/2019 8:45 PM	7.6
3/21/2019 9:00 PM	7.6
3/21/2019 9:15 PM	7.6
3/21/2019 9:30 PM	7.6
3/21/2019 9:45 PM	7.6
3/21/2019 10:00 PM	7.6
3/21/2019 10:15 PM	7.6
3/21/2019 10:30 PM	7.7
3/21/2019 10:45 PM	7.7
3/21/2019 11:00 PM	7.7
3/21/2019 11:15 PM	7.7
3/21/2019 11:30 PM	7.7
3/21/2019 11:45 PM	7.7

Date And Time	pH
3/22/2019 12:00 AM	7.72
3/22/2019 12:15 AM	7.71
3/22/2019 12:30 AM	7.68
3/22/2019 12:45 AM	7.65
3/22/2019 1:00 AM	7.65
3/22/2019 1:15 AM	7.64
3/22/2019 1:30 AM	7.65
3/22/2019 1:45 AM	7.64
3/22/2019 2:00 AM	7.64
3/22/2019 2:15 AM	7.62
3/22/2019 2:30 AM	7.62
3/22/2019 2:45 AM	7.74
3/22/2019 3:00 AM	7.73
3/22/2019 3:15 AM	7.73
3/22/2019 3:30 AM	7.73
3/22/2019 3:45 AM	7.72
3/22/2019 4:00 AM	7.71
3/22/2019 4:15 AM	7.71
3/22/2019 4:30 AM	7.71
3/22/2019 4:45 AM	7.71
3/22/2019 5:00 AM	7.67
3/22/2019 5:15 AM	7.64
3/22/2019 5:30 AM	7.64
3/22/2019 5:45 AM	7.64
3/22/2019 6:00 AM	7.64
3/22/2019 6:15 AM	7.64
3/22/2019 6:30 AM	7.64
3/22/2019 6:45 AM	7.64
3/22/2019 7:00 AM	7.64
3/22/2019 7:15 AM	7.69
3/22/2019 7:30 AM	7.72
3/22/2019 7:45 AM	7.72
3/22/2019 8:00 AM	7.72
3/22/2019 8:15 AM	7.72
3/22/2019 8:30 AM	7.72
3/22/2019 8:45 AM	7.71
3/22/2019 9:00 AM	7.71
3/22/2019 9:15 AM	7.71
3/22/2019 9:30 AM	7.68
3/22/2019 9:45 AM	7.68
3/22/2019 10:00 AM	7.64
3/22/2019 10:15 AM	7.64
3/22/2019 10:30 AM	7.63
3/22/2019 10:45 AM	7.63
3/22/2019 11:00 AM	7.63
3/22/2019 11:15 AM	7.63
3/22/2019 11:30 AM	7.70
3/22/2019 11:45 AM	7.71
3/22/2019 12:00 PM	7.72
3/22/2019 12:15 PM	7.73
3/22/2019 12:30 PM	7.74
3/22/2019 12:45 PM	7.74
3/22/2019 1:00 PM	7.75
3/22/2019 1:15 PM	7.77
3/22/2019 1:30 PM	7.75
3/22/2019 1:45 PM	7.68
3/22/2019 2:00 PM	7.58
3/22/2019 2:15 PM	7.54
3/22/2019 2:30 PM	7.53
3/22/2019 2:45 PM	7.52
3/22/2019 3:00 PM	7.52
3/22/2019 3:15 PM	7.52
3/22/2019 3:30 PM	7.52
3/22/2019 3:45 PM	7.52
3/22/2019 4:00 PM	7.54
3/22/2019 4:15 PM	7.58
3/22/2019 4:30 PM	7.58
3/22/2019 4:45 PM	7.57
3/22/2019 5:00 PM	7.57
3/22/2019 5:15 PM	7.57
3/22/2019 5:30 PM	7.57
3/22/2019 5:45 PM	7.57
3/22/2019 6:00 PM	7.57
3/22/2019 6:15 PM	7.56
3/22/2019 6:30 PM	7.51
3/22/2019 6:45 PM	7.54
3/22/2019 7:00 PM	7.51
3/22/2019 7:15 PM	7.51
3/22/2019 7:30 PM	7.51
3/22/2019 7:45 PM	7.51
3/22/2019 8:00 PM	7.51
3/22/2019 8:15 PM	7.51
3/22/2019 8:30 PM	7.58
3/22/2019 8:45 PM	7.58
3/22/2019 9:00 PM	7.58
3/22/2019 9:15 PM	7.57
3/22/2019 9:30 PM	7.57
3/22/2019 9:45 PM	7.57
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3/22/2019 10:45 PM	7.58
3/22/2019 11:00 PM	7.51
3/22/2019 11:15 PM	7.50
3/22/2019 11:30 PM	7.50
3/22/2019 11:45 PM	7.50

AVG

7.63

Date And Time	pH
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3/23/2019 12:30 AM	7.50
3/23/2019 12:45 AM	7.50
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3/23/2019 11:45 AM	7.58
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3/23/2019 1:45 PM	7.51
3/23/2019 2:00 PM	7.51
3/23/2019 2:15 PM	7.50
3/23/2019 2:30 PM	7.53
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3/23/2019 3:00 PM	7.58
3/23/2019 3:15 PM	7.60
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3/23/2019 3:45 PM	7.57
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3/23/2019 9:15 PM	7.54
3/23/2019 9:30 PM	7.50
3/23/2019 9:45 PM	7.49
3/23/2019 10:00 PM	7.49
3/23/2019 10:15 PM	7.49
3/23/2019 10:30 PM	7.49
3/23/2019 10:45 PM	7.49
3/23/2019 11:00 PM	7.49
3/23/2019 11:15 PM	7.49
3/23/2019 11:30 PM	7.53

AV

Date And Time	ph
3/24/2019 12:00 AM	7.5
3/24/2019 12:15 AM	7.5
3/24/2019 12:30 AM	7.5
3/24/2019 12:45 AM	7.5
3/24/2019 1:00 AM	7.5
3/24/2019 1:15 AM	7.5
3/24/2019 1:30 AM	7.5
3/24/2019 1:45 AM	7.5
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3/24/2019 2:15 AM	7.4
3/24/2019 2:30 AM	7.4
3/24/2019 2:45 AM	7.4
3/24/2019 3:00 AM	7.4
3/24/2019 3:15 AM	7.5
3/24/2019 3:30 AM	7.5
3/24/2019 3:45 AM	7.5
3/24/2019 4:00 AM	7.5
3/24/2019 4:15 AM	7.5
3/24/2019 4:30 AM	7.5
3/24/2019 4:45 AM	7.5
3/24/2019 5:00 AM	7.5
3/24/2019 5:15 AM	7.5
3/24/2019 5:30 AM	7.5
3/24/2019 5:45 AM	7.5
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3/24/2019 8:30 AM	7.5
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3/24/2019 9:30 AM	7.5
3/24/2019 9:45 AM	7.5
3/24/2019 10:00 AM	7.5
3/24/2019 10:15 AM	7.5
3/24/2019 10:30 AM	7.5
3/24/2019 10:45 AM	7.5
3/24/2019 11:00 AM	7.5
3/24/2019 11:15 AM	7.5
3/24/2019 11:30 PM	7.5
3/24/2019 11:45 PM	7.5
3/24/2019 12:00 AM	7.5

AVG 7.5

Date And Time	pH	Date And Time	pH	Date And Time	pH
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3/25/2019 12:30 AM	7.52	3/26/2019 12:30 AM	7.49	3/27/2019 12:30 AM	7.56
3/25/2019 12:45 AM	7.51	3/26/2019 12:45 AM	7.49	3/27/2019 12:45 AM	7.56
3/25/2019 1:00 AM	7.51	3/26/2019 1:00 AM	7.56	3/27/2019 1:00 AM	7.56
3/25/2019 1:15 AM	7.51	3/26/2019 1:15 AM	7.56	3/27/2019 1:15 AM	7.55
3/25/2019 1:30 AM	7.51	3/26/2019 1:30 AM	7.56	3/27/2019 1:30 AM	7.55
3/25/2019 1:45 AM	7.51	3/26/2019 1:45 AM	7.56	3/27/2019 1:45 AM	7.55
3/25/2019 2:00 AM	7.51	3/26/2019 2:00 AM	7.57	3/27/2019 2:00 AM	7.50
3/25/2019 2:15 AM	7.53	3/26/2019 2:15 AM	7.56	3/27/2019 2:15 AM	7.49
3/25/2019 2:30 AM	7.55	3/26/2019 2:30 AM	7.56	3/27/2019 2:30 AM	7.49
3/25/2019 2:45 AM	7.56	3/26/2019 2:45 AM	7.56	3/27/2019 2:45 AM	7.50
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3/25/2019 3:15 AM	7.56	3/26/2019 3:15 AM	7.55	3/27/2019 3:15 AM	7.50
3/25/2019 3:30 AM	7.55	3/26/2019 3:30 AM	7.51	3/27/2019 3:30 AM	7.50
3/25/2019 3:45 AM	7.55	3/26/2019 3:45 AM	7.49	3/27/2019 3:45 AM	7.50
3/25/2019 4:00 AM	7.55	3/26/2019 4:00 AM	7.49	3/27/2019 4:00 AM	7.56
3/25/2019 4:15 AM	7.55	3/26/2019 4:15 AM	7.49	3/27/2019 4:15 AM	7.58
3/25/2019 4:30 AM	7.55	3/26/2019 4:30 AM	7.49	3/27/2019 4:30 AM	7.58
3/25/2019 4:45 AM	7.54	3/26/2019 4:45 AM	7.49	3/27/2019 4:45 AM	7.58
3/25/2019 5:00 AM	7.52	3/26/2019 5:00 AM	7.49	3/27/2019 5:00 AM	7.57
3/25/2019 5:15 AM	7.50	3/26/2019 5:15 AM	7.49	3/27/2019 5:15 AM	7.57
3/25/2019 5:30 AM	7.50	3/26/2019 5:30 AM	7.50	3/27/2019 5:30 AM	7.57
3/25/2019 5:45 AM	7.50	3/26/2019 5:45 AM	7.56	3/27/2019 5:45 AM	7.57
3/25/2019 6:00 AM	7.50	3/26/2019 6:00 AM	7.57	3/27/2019 6:00 AM	7.57
3/25/2019 6:15 AM	7.50	3/26/2019 6:15 AM	7.57	3/27/2019 6:15 AM	7.56
3/25/2019 6:30 AM	7.50	3/26/2019 6:30 AM	7.57	3/27/2019 6:30 AM	7.51
3/25/2019 6:45 AM	7.50	3/26/2019 6:45 AM	7.57	3/27/2019 6:45 AM	7.50
3/25/2019 7:00 AM	7.50	3/26/2019 7:00 AM	7.57	3/27/2019 7:00 AM	7.50
3/25/2019 7:15 AM	7.55	3/26/2019 7:15 AM	7.56	3/27/2019 7:15 AM	7.51
3/25/2019 7:30 AM	7.57	3/26/2019 7:30 AM	7.56	3/27/2019 7:30 AM	7.51
3/25/2019 7:45 AM	7.57	3/26/2019 7:45 AM	7.56	3/27/2019 7:45 AM	7.51
3/25/2019 8:00 AM	7.57	3/26/2019 8:00 AM	7.55	3/27/2019 8:00 AM	7.50
3/25/2019 8:15 AM	7.57	3/26/2019 8:15 AM	7.55	3/27/2019 8:15 AM	7.54
3/25/2019 8:30 AM	7.57	3/26/2019 8:30 AM	7.55	3/27/2019 8:30 AM	7.58
3/25/2019 8:45 AM	7.57	3/26/2019 8:45 AM	7.55	3/27/2019 8:45 AM	7.58
3/25/2019 9:00 AM	7.57	3/26/2019 9:00 AM	7.55	3/27/2019 9:00 AM	7.59
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3/25/2019 9:30 AM	7.53	3/26/2019 9:30 AM	7.55	3/27/2019 9:30 AM	7.58
3/25/2019 9:45 AM	7.50	3/26/2019 9:45 AM	7.55	3/27/2019 9:45 AM	7.58
3/25/2019 10:00 AM	7.49	3/26/2019 10:00 AM	7.54	3/27/2019 10:00 AM	7.58
3/25/2019 10:15 AM	7.49	3/26/2019 10:15 AM	7.55	3/27/2019 10:15 AM	7.59
3/25/2019 10:30 AM	7.49	3/26/2019 10:30 AM	7.55	3/27/2019 10:30 AM	7.59
3/25/2019 10:45 AM	7.49	3/26/2019 10:45 AM	7.56	3/27/2019 10:45 AM	7.60
3/25/2019 11:00 AM	7.50	3/26/2019 11:00 AM	7.57	3/27/2019 11:00 AM	7.60
3/25/2019 11:15 AM	7.54	3/26/2019 11:15 AM	7.56	3/27/2019 11:15 AM	7.54
3/25/2019 11:30 AM	7.55	3/26/2019 11:30 AM	7.57	3/27/2019 11:30 AM	7.52
3/25/2019 11:45 AM	7.57	3/26/2019 11:45 AM	7.57	3/27/2019 11:45 AM	7.52
3/25/2019 12:00 PM	7.57	3/26/2019 12:00 PM	7.58	3/27/2019 12:00 PM	7.52
3/25/2019 12:15 PM	7.57	3/26/2019 12:15 PM	7.58	3/27/2019 12:15 PM	7.51
3/25/2019 12:30 PM	7.58	3/26/2019 12:30 PM	7.58	3/27/2019 12:30 PM	7.55
3/25/2019 12:45 PM	7.57	3/26/2019 12:45 PM	7.59	3/27/2019 12:45 PM	7.58
3/25/2019 1:00 PM	7.57	3/26/2019 1:00 PM	7.59	3/27/2019 1:00 PM	7.59
3/25/2019 1:15 PM	7.56	3/26/2019 1:15 PM	7.60	3/27/2019 1:15 PM	7.62
3/25/2019 1:30 PM	7.56	3/26/2019 1:30 PM	7.59	3/27/2019 1:30 PM	7.63
3/25/2019 1:45 PM	7.55	3/26/2019 1:45 PM	7.57	3/27/2019 1:45 PM	7.65
3/25/2019 2:00 PM	7.53	3/26/2019 2:00 PM	7.53	3/27/2019 2:00 PM	7.65
3/25/2019 2:15 PM	7.52	3/26/2019 2:15 PM	7.55	3/27/2019 2:15 PM	7.65
3/25/2019 2:30 PM	7.51	3/26/2019 2:30 PM	7.56	3/27/2019 2:30 PM	7.64
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3/25/2019 3:15 PM	7.50	3/26/2019 3:15 PM	7.58	3/27/2019 3:15 PM	7.61
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3/25/2019 4:00 PM	7.55	3/26/2019 4:00 PM	7.55	3/27/2019 4:00 PM	7.58
3/25/2019 4:15 PM	7.56	3/26/2019 4:15 PM	7.55	3/27/2019 4:15 PM	7.57
3/25/2019 4:30 PM	7.56	3/26/2019 4:30 PM	7.54	3/27/2019 4:30 PM	7.56
3/25/2019 4:45 PM	7.56	3/26/2019 4:45 PM	7.54	3/27/2019 4:45 PM	7.56
3/25/2019 5:00 PM	7.55	3/26/2019 5:00 PM	7.52	3/27/2019 5:00 PM	7.56
3/25/2019 5:15 PM	7.55	3/26/2019 5:15 PM	7.50	3/27/2019 5:15 PM	7.57
3/25/2019 5:30 PM	7.55	3/26/2019 5:30 PM	7.50	3/27/2019 5:30 PM	7.59
3/25/2019 5:45 PM	7.54	3/26/2019 5:45 PM	7.50	3/27/2019 5:45 PM	7.59
3/25/2019 6:00 PM	7.54	3/26/2019 6:00 PM	7.49	3/27/2019 6:00 PM	7.59
3/25/2019 6:15 PM	7.54	3/26/2019 6:15 PM	7.49	3/27/2019 6:15 PM	7.59
3/25/2019 6:30 PM	7.51	3/26/2019 6:30 PM	7.49	3/27/2019 6:30 PM	7.58
3/25/2019 6:45 PM	7.49	3/26/2019 6:45 PM	7.52	3/27/2019 6:45 PM	7.58
3/25/2019 7:00 PM	7.49	3/26/2019 7:00 PM	7.54	3/27/2019 7:00 PM	7.58
3/25/2019 7:15 PM	7.49	3/26/2019 7:15 PM	7.54	3/27/2019 7:15 PM	7.57
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3/25/2019 7:45 PM	7.49	3/26/2019 7:45 PM	7.54	3/27/2019 7:45 PM	7.57
3/25/2019 8:00 PM	7.49	3/26/2019 8:00 PM	7.54	3/27/2019 8:00 PM	7.55
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3/25/2019 8:30 PM	7.55	3/26/2019 8:30 PM	7.53	3/27/2019 8:30 PM	7.53
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3/25/2019 9:00 PM	7.56	3/26/2019 9:00 PM	7.53	3/27/2019 9:00 PM	7.53
3/25/2019 9:15 PM	7.56	3/26/2019 9:15 PM	7.53	3/27/2019 9:15 PM	7.53
3/25/2019 9:30 PM	7.56	3/26/2019 9:30 PM	7.50	3/27/2019 9:30 PM	7.53
3/25/2019 9:45 PM	7.56	3/26/2019 9:45 PM	7.48	3/27/2019 9:45 PM	7.54
3/25/2019 10:00 PM	7.55	3/26/2019 10:00 PM	7.49	3/27/2019 10:00 PM	7.57
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3/25/2019 10:30 PM	7.55	3/26/2019 10:30 PM	7.49	3/27/2019 10:30 PM	7.58
3/25/2019 10:45 PM	7.55	3/26/2019 10:45 PM	7.49	3/27/2019 10:45 PM	7.59
3/25/2019 11:00 PM	7.50	3/26/2019 11:00 PM	7.49	3/27/2019 11:00 PM	7.59
3/25/2019 11:15 PM	7.49	3/26/2019 11:15 PM	7.49	3/27/2019 11:15 PM	7.59
3/25/2019 11:30 PM	7.49	3/26/2019 11:30 PM	7.50	3/27/2019 11:30 PM	7.58
3/25/2019 11:45 PM	7.49	3/26/2019 11:45 PM	7.55	3/27/2019 11:45 PM	7.58

AVG

7.53

AVG

7.54

AVG

7.56

Date And Time	pH
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3/28/2019 12:15 AM	7.58
3/28/2019 12:30 AM	7.55
3/28/2019 12:45 AM	7.53
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3/28/2019 2:30 AM	7.51
3/28/2019 2:45 AM	7.58
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3/29/2019 1:30 AM	7.61
3/29/2019 1:45 AM	7.61
3/29/2019 2:00 AM	7.61
3/29/2019 2:15 AM	7.60
3/29/2019 2:30 AM	7.60
3/29/2019 2:45 AM	7.60
3/29/2019 3:00 AM	7.60
3/29/2019 3:15 AM	7.59
3/29/2019 3:30 AM	7.57
3/29/2019 3:45 AM	7.57
3/29/2019 3:50 AM	7.57
3/29/2019 3:55 AM	7.56
3/29/2019 4:00 AM	7.55
3/29/2019 4:15 AM	7.56
3/29/2019 4:30 AM	7.56
3/29/2019 4:45 AM	7.56
3/29/2019 5:00 AM	7.56
3/29/2019 5:15 AM	7.55
3/29/2019 5:30 AM	7.55
3/29/2019 5:45 AM	7.56
3/29/2019 6:00 AM	7.56
3/29/2019 6:15 AM	7.56
3/29/2019 6:30 AM	7.56
3/29/2019 6:45 AM	7.56
3/29/2019 7:00 AM	7.56
3/29/2019 7:15 AM	7.56
3/29/2019 7:30 AM	7.61
3/29/2019 7:45 AM	7.61
3/29/2019 8:00 AM	7.58
3/29/2019 8:15 AM	7.58
3/29/2019 8:30 AM	7.58
3/29/2019 8:45 AM	7.58
3/29/2019 9:00 AM	7.58
3/29/2019 9:15 AM	7.58
3/29/2019 9:30 AM	7.58
3/29/2019 9:45 AM	7.58
3/29/2019 10:00 AM	7.58
3/29/2019 10:15 AM	7.58
3/29/2019 10:30 AM	7.58
3/29/2019 10:45 AM	7.58
3/29/2019 11:00 AM	7.58
3/29/2019 11:15 AM	7.58
3/29/2019 11:30 AM	7.58
3/29/2019 11:45 AM	7.58
3/29/2019 12:00 PM	7.62
3/29/2019 12:15 PM	7.62
3/29/2019 12:30 PM	7.61
3/29/2019 12:45 PM	7.61
3/29/2019 1:00 PM	7.61
3/29/2019 1:15 PM	7.61
3/29/2019 1:30 PM	7.60
3/29/2019 1:45 PM	7.60
3/29/2019 2:00 PM	7.59
3/29/2019 2:15 PM	7.59
3/29/2019 2:30 PM	7.59
3/29/2019 2:45 PM	7.59
3/29/2019 3:00 PM	7.59
3/29/2019 3:15 PM	7.59
3/29/2019 3:30 PM	7.59
3/29/2019 3:45 PM	7.59
3/29/2019 3:50 PM	7.59
3/29/2019 3:55 PM	7.59
3/29/2019 4:00 PM	7.59
3/29/2019 4:15 PM	7.59
3/29/2019 4:30 PM	7.59
3/29/2019 4:45 PM	7.59
3/29/2019 5:00 PM	7.59
3/29/2019 5:15 PM	7.59
3/29/2019 5:30 PM	7.59
3/29/2019 5:45 PM	7.59
3/29/2019 6:00 PM	7.59
3/29/2019 6:15 PM	7.59
3/29/2019 6:30 PM	7.59
3/29/2019 6:45 PM	7.59
3/29/2019 7:00 PM	7.59
3/29/2019 7:15 PM	7.61
3/29/2019 7:30 PM	7.62
3/29/2019 7:45 PM	7.62
3/29/2019 8:00 PM	7.62
3/29/2019 8:15 PM	7.62
3/29/2019 8:30 PM	7.62
3/29/2019 8:45 PM	7.62
3/29/2019 9:00 PM	7.61
3/29/2019 9:15 PM	7.61
3/29/2019 9:30 PM	7.60
3/29/2019 9:45 PM	7.59
3/29/2019 10:00 PM	7.58
3/29/2019 10:15 PM	7.58
3/29/2019 10:30 PM	7.57
3/29/2019 10:45 PM	7.57
3/29/2019 11:00 PM	7.57
3/29/2019 11:15 PM	7.61
3/29/2019 11:30 PM	7.62
3/29/2019 11:45 PM	7.62

AVG

7.59

AVG

7.60

AVG

7.60

3/31/2019 12:00 AM	7.63
3/31/2019 12:15 AM	7.62
3/31/2019 12:30 AM	7.62
3/31/2019 12:45 AM	7.60
3/31/2019 1:00 AM	7.59
3/31/2019 1:15 AM	7.58
3/31/2019 1:30 AM	7.58
3/31/2019 1:45 AM	7.58
3/31/2019 2:00 AM	7.58
3/31/2019 2:15 AM	7.57
3/31/2019 2:30 AM	7.57
3/31/2019 2:45 AM	7.58
3/31/2019 3:00 AM	7.59
3/31/2019 3:15 AM	7.59
3/31/2019 3:30 AM	7.59
3/31/2019 3:45 AM	7.60
3/31/2019 4:00 AM	7.60
3/31/2019 4:15 AM	7.61
3/31/2019 4:30 AM	7.61
3/31/2019 4:45 AM	7.62
3/31/2019 5:00 AM	7.61
3/31/2019 5:15 AM	7.59
3/31/2019 5:30 AM	7.58
3/31/2019 5:45 AM	7.57
3/31/2019 6:00 AM	7.57
3/31/2019 6:15 AM	7.57
3/31/2019 6:30 AM	7.57
3/31/2019 6:45 AM	7.57
3/31/2019 7:00 AM	7.59
3/31/2019 7:15 AM	7.59
3/31/2019 7:30 AM	7.59
3/31/2019 7:45 AM	7.60
3/31/2019 8:00 AM	7.60
3/31/2019 8:15 AM	7.61
3/31/2019 8:30 AM	7.60
3/31/2019 8:45 AM	7.60
3/31/2019 9:00 AM	7.59
3/31/2019 9:15 AM	7.59
3/31/2019 9:30 AM	7.58
3/31/2019 9:45 AM	7.56
3/31/2019 10:00 AM	7.56
3/31/2019 10:15 AM	7.56
3/31/2019 10:30 AM	7.56
3/31/2019 10:45 AM	7.55
3/31/2019 11:00 AM	7.55
3/31/2019 11:15 AM	7.55
3/31/2019 11:30 AM	7.55
3/31/2019 11:45 AM	7.56
3/31/2019 12:00 PM	7.58
3/31/2019 12:15 PM	7.59
3/31/2019 12:30 PM	7.62
3/31/2019 12:45 PM	7.62
3/31/2019 1:00 PM	7.61
3/31/2019 1:15 PM	7.60
3/31/2019 1:30 PM	7.60
3/31/2019 1:45 PM	7.61
3/31/2019 2:00 PM	7.58
3/31/2019 2:15 PM	7.56
3/31/2019 2:30 PM	7.55
3/31/2019 2:45 PM	7.55
3/31/2019 3:00 PM	7.55
3/31/2019 3:15 PM	7.55
3/31/2019 3:30 PM	7.55
3/31/2019 3:45 PM	7.55
3/31/2019 4:00 PM	7.60
3/31/2019 4:15 PM	7.61
3/31/2019 4:30 PM	7.61
3/31/2019 4:45 PM	7.61
3/31/2019 5:00 PM	7.61
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3/31/2019 5:45 PM	7.60
3/31/2019 6:00 PM	7.60
3/31/2019 6:15 PM	7.61
3/31/2019 6:30 PM	7.56
3/31/2019 6:45 PM	7.54
3/31/2019 7:00 PM	7.55
3/31/2019 7:15 PM	7.55
3/31/2019 7:30 PM	7.54
3/31/2019 7:45 PM	7.55
3/31/2019 8:00 PM	7.55
3/31/2019 8:15 PM	7.55
3/31/2019 8:30 PM	7.55
3/31/2019 8:45 PM	7.57
3/31/2019 9:00 PM	7.62
3/31/2019 9:15 PM	7.62
3/31/2019 9:30 PM	7.62
3/31/2019 9:45 PM	7.62
3/31/2019 10:00 PM	7.63
3/31/2019 10:15 PM	7.63
3/31/2019 10:30 PM	7.63
3/31/2019 10:45 PM	7.64
3/31/2019 11:00 PM	7.55
3/31/2019 11:15 PM	7.54
3/31/2019 11:30 PM	7.54
3/31/2019 11:45 PM	7.54

MIN	7.47
MAX	8.05

AVG                    7.59

Avtex Fibers  
Front Royal, VA  
Outfall 004  
March 2019 DMR

<u>Sample Date</u>	<u>Sample ID</u>	<u>BOD, mg/L</u>	<u>BOD, kg/d</u>	<u>TSS, mg/L</u>	<u>TSS, kg/d</u>
3/5/2019	AF 3-5FE	0.0	0.0	0.0	0.0
3/12/2019	AF 3-12FE	0.0	0.0	0.0	0.0
3/21/2019	AF 3-21FE	0.0	0.0	0.0	0.0
3/28/2019	AF 3-28FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

<b>Loading Derivation</b>
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3,785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> lbs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d
<b>Concentration Derivation</b>
If 1 lb/d and 1 MGD (= 1 MG/day)
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3,785 L/Gal)]
--> ppm = lb/d * (1/8.34) * (1/MGD)

#### BOD

3/5/2019	0
3/12/2019	0
3/21/2019	0
3/28/2019	0

AVG

0

#### TSS

3/5/2019	0
3/12/2019	0
3/21/2019	0
3/28/2019	0

AVG

0

#### CS2\*

3/13/3019	0.220 ug/L
3/13/3019	0.000220 mg/L
3/13/3019	0.0001 kg/d

\*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L  
MDL 1.2 ug/L

**Attachment 2**

**Virginia Department of Environmental Quality  
PCB Data Transmittal Form**

Date: April 10, 2019

Mail To:  
TMDL Program  
Virginia Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218

Please find enclosed 1 CD-ROM(s) containing PCB data submittal and accompanying supporting documentation for:

FACILITY NAME: Avtex Fibers Superfund Site

VPDES NUMBER: NA

We are submitting a total of 4 documents to satisfy the voluntary request to generate low level PCB data to determine the potential for contribution of PCBs from our facility for the period beginning on 01/01/2018 and ending on 12/31/2018.

These documents are described as follows:

Name of Document	File Name of Document on Disk	Size of Document	Date of Document
Data "Hard Copy" Report (PDF)	L2214954 PCB 190131	297 KB	1/31/2019
Location Table EDD (.xls)	FR-location	40 KB	2/26/2018
Chain of Custody EDD (.xls)	FR-Chain_Custody_EDD	19 KB	3/6/2019
Analytical Results EDD (*.csv)	L2214954-PCB-190213-EDD	307 KB	4/8/2019

If any problems or questions should arise during DEQ's processing of this/these CD-ROMS, please contact:

Technical Contact: Michael Robinson, P.E. Phone Number: 704-558-4255

Signature of Authorized Official:  Date: 4 - 9 - 19

Title of Authorized Official: Manager, EHS Remediation

*Attachment 4*  
*Preliminary Site-Wide Quarterly*  
*Inspection*

# Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson  
 Report No.: 2019-03

Date: 03-13-2019  
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
<b>1. Remediation/Restoration Areas</b>			
Is settlement or standing water evident? If Yes, describe the degree of settlement(s) (slight, moderate, significant), record approximate dimensions, and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Slight to moderate settlement in small/isolated areas. Standing water present in nine areas (SE of VB-2&3, around wells 103/203/303, near LS-2, on roadway to LS-1, two areas on top of VB-9, two areas on top of VB-10, and two areas on top of SB-3) of the site during this inspection.	
Is erosion evident? If Yes, describe the type of erosion (rills, gullies), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Are potential leachate seeps evident or migration of contamination? If Yes, describe the nature (size, color, flow rate), record location on an attached map, and photograph.  [Note: Check former seep areas in unnamed tributary north of VB 4-6, check pond area north of VB 9, and check other likely areas (e.g., embankments of VBs, SBs)]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See map for locations. Potential seeps: -South of LS2 (standing water present) -SE of VB-2&3 (Standing water present) -NW of VB-7&8 (Dry)	
Do landfill/basin embankments show signs of erosion, failure (e.g., cracking, sloughing) or migration of contamination (e.g., seeps, exposed waste)? If Yes, describe the nature (type, size), record location on an attached map, and photograph  [Note: Check river-side of embankments along river, if safe to do so.]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is vegetation distressed or are bare areas evident? If Yes, describe the type of disorder (distressed, sparsely vegetated, bare), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Isolated/minor bare areas noted. See map for locations. With few exceptions, vegetation is filling in.	

## Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson  
 Report No.: 2019-03

Date: 03-13-2019  
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
Is there woody vegetation greater than 2 inches in diameter or 5 feet in height on the cover system(s)? If Yes, describe where and actions to be taken (refer to Section 4.2 of the O&M Plan).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is any other damage evident? If Yes, describe the type of damage(s) and indicate the location(s) on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are obstruction(s) (brush, debris, timber, leaves, sediment) interfering with the proper functioning of ditches, gutters or flumes? If Yes, describe the type(s) of obstruction(s) and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Minor obstructions at one location: 1. Sediment building up at end of culvert southeast of VB-10 causing standing water in culvert. Issue to be monitored.
Is sediment deposited in diversion berms, ditches gutters, flumes or culverts deeper than $\frac{1}{4}$ of the original channel depth (shown on the contract drawings) or culvert diameter? If Yes, record approximate dimensions and indicate locations on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

## Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson  
 Report No.: 2019-03

Date: 03-13-2019  
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
<b>2. Surface Water Drainage and Erosion Control System</b>			
Is erosion evident? If Yes, describe the drainage structure inspected (ditch, gutter, flume, culvert, outfall, rip-rap), the type of erosion (rills, gullies, washouts, slope failure), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Minor erosion noted in a few isolated areas. See map for locations. Rills forming across access road to LS-1 (west of VB-4, 5, & 6). Rills have also formed on north bank of the sediment basin between the NLF and VB-2&3. Rills have re-formed across the roadway southwest of VB-10.	
Is overall shape, configuration, and alignment of the drainageway as shown on the drawings? If No, describe the type of distortion (damaged, eroded, slope failure), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Is erosion evident at drainage outlet aprons? If Yes, record approximate dimensions and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

**Inspection Checklist (check items that were inspected; document concerns noted;  
refer to attached Drawings for specific areas)**

**Viscos Basins 1-3**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

**Viscos Basins 4-6**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets - N, E, & W of VB 4-6; - Pond W of VB 4-6	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Gas Vent Filter & Fence
<input checked="" type="checkbox"/> Former seep area - N of VB 4-6	<input checked="" type="checkbox"/> LS #1 & #2 and Fencing	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

**Viscos Basins 7-8**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets (between VB-1 and VB-7)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Leachate Collection Manhole (MW VB7)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Viscos Basins 9-11**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Drop inlets on VB-11	<input checked="" type="checkbox"/> Culver inlets & outlets (S&W VB-11; N VB-11 & VB-9; and SW VB-10)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes
<input checked="" type="checkbox"/> Access road near unit	<input checked="" type="checkbox"/> Seep area in pond north of VB-9	<input checked="" type="checkbox"/> VB 9-11 fence and gates	<input checked="" type="checkbox"/> LS #4 and Fencing

**New Landfill**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & SE of NLF)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> LS #3 and Fencing
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SB-1**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE SB-1; SB-2; SE SB-3; NE SB-4; & S SB-4)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Down chutes (SB-1 & SB-4)	<input type="checkbox"/>
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Checklist (check items that were inspected; document concerns noted;  
refer to attached Drawings for specific areas)

**SB-2**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & Outlets (S & W Sides)
<input checked="" type="checkbox"/> Berms along River (site & river side)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

**SB-3**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & Outlets (SE)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Drop inlets (W side)	<input checked="" type="checkbox"/> Access Road near unit
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SB-4**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & S sides)	<input checked="" type="checkbox"/> Down chutes (S Side)	<input checked="" type="checkbox"/> Drop inlet (N side)	<input checked="" type="checkbox"/> Berms along River (site & river side)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SB-5**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Berms along River and E side	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**FAB 1-3**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & S FAB1-2; SW FAB3)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**FAS & FARA**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & N FAS; E FARA)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**EL, PB 1-2, PB-3**

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Rip-rap Channels
<input checked="" type="checkbox"/> Culvert inlets & outlets (E & W EL; NW PB-1-2; S PB-3)	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 1

**Unit:** OU-10

**Basin/Landfill:**

VB-4, 5, & 6



**Date :** 03/13/2019

**Photo Description:** 20' x 40' area of former standing water adjacent to LS-2 (wet but no standing water).

**Photo Number:** 2

**Unit:** OU-10

**Basin/Landfill:**

VB-4, 5, & 6

**Date :** 03/13/2019



**Photo Description:** 20' x 40' area of former standing water adjacent to LS-2

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 3

**Unit:** OU-10

**Basin/Landfill:**

VB-4, 5, & 6

**Date :** 03/13/2019

**Photo Description:** Rills forming on access road to LS-1 west of VB-4, 5, & 6.



**Photo Number:** 4

**Unit:** OU-10

**Basin/Landfill:**

VB-4, 5, & 6

**Date :** 03/13/2019

**Photo Description:** Standing water at access path to LS-1 west of VB-4, 5, & 6.



**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 5

**Unit:** OU-10

**Basin/Landfill:**

VB-2&3, and NLF

**Date :** 03/13/2019



**Photo Description:** Standing water southeast of VB-2&3.

**Photo Number:** 6

**Unit:** OU-10

**Basin/Landfill:**

VB-2&3, and NLF

**Date :** 03/13/2019



**Photo Description:** Bare soil (~10' x30') with rills southeast of VB-2&3 (Sediment basin between NLF and VB-2&3).

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 7

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Sediment building up at end of culvert under access road.

**Photo Number:** 8

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Cat tails growing in channel.

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 9

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Bare patches and spotty vegetation in southeast corner of VB-10. Grass is starting to fill in.

**Photo Number:** 10

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Bare patches and exposed matting at down chute in south side of VB-10.

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 11

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Bare patches and exposed matting at down chute on south side of VB-10.

**Photo Number:** 12

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Bare soil in southwest corner of VB-10. Grass beginning to fill in.

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 13

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Rills forming across roadway in southwest corner of VB-10.

**Photo Number:** 14

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Rills forming in field east of VB-10.

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 15

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Two areas of standing water in south section of VB-10 (30' x 30').

**Photo Number:** 16

**Unit:** OU-7

**Basin/Landfill:**

VB-10

**Date :** 03/13/2019



**Photo Description:** Two areas of standing water and additional settlement observed to previously repaired area of settlement on VB-9 (30' x 40').

**Quarterly Inspection Report Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**

**Photo Number:** 17

**Unit:** NTCRA Basins

**Basin/Landfill:**

SB-1

**Date :** 03/13/2019



**Photo Description:** Standing water (20'x40') in front of northernmost inlet between SB-3 and SB-2.

**Photo Number:** 18

**Unit:** NTCRA Basins

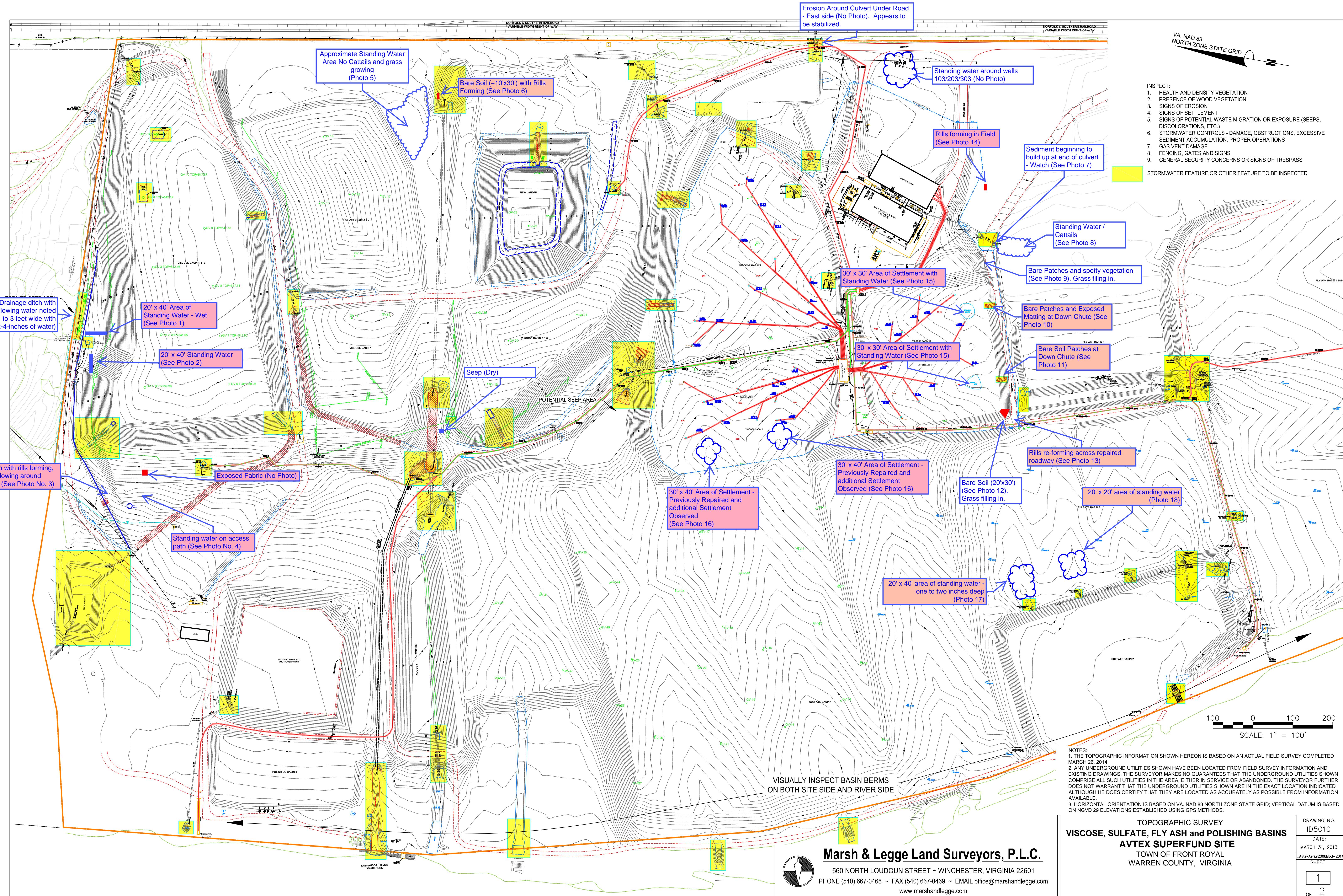
**Basin/Landfill:**

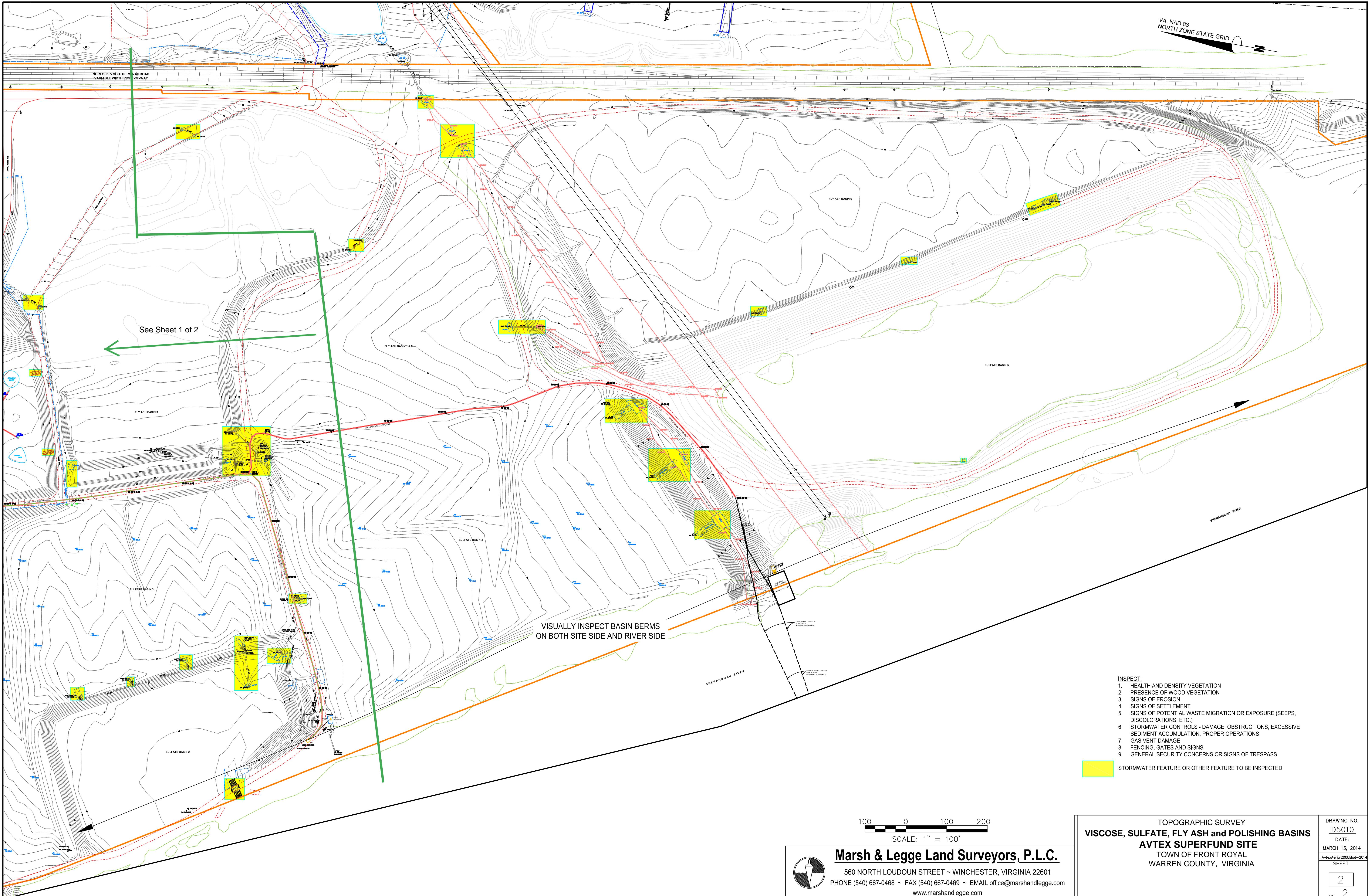
SB-1

**Date :** 03/13/2019



**Photo Description:** Standing water (20'x20') in front of the second to northernmost inlet between SB-3 and SB-2.





*Attachment 5*  
*2019 Annual Mowing Photo Log*

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:** 1

**Unit:** VB# 4,5 & 6

**Date:** 3/21/19

**Photo Description:** VB Basins 4,5 & 6 looking west

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:** 2

**Unit:** VB# 4,5 & 6

**Date:** 3/21/2019

**Photo Description:** North slope of VB basins 4,5 & 6 looking west

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:** 3

**Unit:** Lift Station #1

**Date:** 3/21/19

**Photo Description:** Field area around LS #1 looking east

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number: 4**

**Unit: VB #1 & Polishing Basin**

**Date 3/21/19**

**Photo Description: Field area between VB #1 and Polishing Basin looking south**

**2019 Annual Mowing Photographic Log  
Avtex Superfund Site  
Front Royal, Virginia**



**Photo Number: 5**

**Unit: VB# 2 & 3**

**Date: 3/21/19**

**Photo Description: VB Basins 2 & 3 looking north**

**2019 Annual Mowing Photographic Log  
Avtex Superfund Site  
Front Royal, Virginia**



**Photo Number:6**

**Unit: VB# 2 & 3 and NLF**

**Date: 3/21/19**

**Photo Description: Swell between VB# 2&3 and the New Landfill looking south east**

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:**7

**Unit:** VB# 7 & 8

**Date:** 3/21/19

**Photo Description:** VB# 7 & 8 looking north west

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:**8

**Unit:** VB# 1

**Date:** 3/21/19

**Photo Description:** VB# 1 looking north

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:9**

**Unit: New Landfill**

**Date:3/21/19**

**Photo Description: NLF looking north east**

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:**10

**Unit:** Ditch 10

**Date:** 3/21/19

**Photo Description:** Ditch 10 between VB# 11 and VB# 8 looking west

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:11**

**Unit: Fly Ash Stockpile**

**Date: 3/21/19**

**Photo Description: South side FAS area looking west**

**2019 Annual Mowing Photographic Log**  
**Avtex Superfund Site**  
**Front Royal, Virginia**



**Photo Number:**12

**Unit:** Fly Ash Stockpile

**Date:** 3/21/19

**Photo Description:** North side FAS area looking west